SKRIPSI

PERENCANAAN STRUKTUR PLAT CENDAWAN PADA PROYEK HOTEL BERBINTANG (Jl. Pattimura 19 Kota Malang)

Disusun Oleh :

MADE ADITYA KUSUMAYUDA
(11.21.070)

PROGRAM STUDI TEKNIK SIPIL S-1
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
INSTITUT TEKNOLOGI NASIONAL
MALANG

2015

[illegible]

LEMBAR PERSETUJUAN
SKRIPSI

PERENCANAAN STRUKTUR PLAT CENDAWAN PADA PROYEK HOTEL BERBINTANG JL. PATTIMURA 19 MALANG

Disusun dan Diajukan Sebagai Salah Satu Syarat Untuk Memperoleh Gelar Sarjana Teknik Sipil S-1 di Institut Teknologi Nasional Malang

Disusun Oleh :

MADE ADITYA KUSUMAYUDA

11. 21. 070

Menyetujui :

Dosen Pembimbing I	Dosen Pembimbing II
Ir. A. Agus Santosa, M.T.	**Ir. Munasih, M.T.**
NIP. Y. 101 87 00155	NIP.Y.102.88.00187

Mengetahui,

Ketua Program Studi Teknik Sipil S-1
Institut Teknologi Nasional Malang

Ir. A. Agus Santosa. MT
NIP. Y. 101 870 0155

PROGRAM STUDI TEKNIK SIPIL S-1
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
INSTITUT TEKNOLOGI NASIONAL MALANG
2015

LEMBAR PENGESAHAN

SKRIPSI

PERENCANAAN STRUKTUR PLAT CENDAWAN PADA PROYEK HOTEL BERBINTANG JL. PATTIMURA 19 MALANG

Dipertahankan Dihadapan Majelis Penguji Sidang Skripsi Jenjang Strata Satu (S-1)
Pada Hari Kamis, 13 Agustus 2015
Dan Diterima Untuk Memenuhi Salah Satu Persyaratan Guna Memperoleh Gelar Sarjana Teknik Sipil

Disusun Oleh :

MADE ADITYA KUSUMAYUDA

11. 21. 070

Disahkan Oleh :

Ketua Program Studi	**Sekretaris Program Studi**
Ir. A. Agus Santosa, M.T.	**Lila Ayu Ratna Winanda, S.T. M.T.**
NIP. Y. 101 87 00155	NIP. Y. 103 08 00419

Anggota Penguji :

Dosen Penguji I	**Dosen Penguji II**
Ir. H. Sudirman Indra, M.Sc.	**Ir. Ester Priskasari, M.T.**
NIP. Y. 101 83 00054	NIP. Y. 103 39 00265

PROGRAM STUDI TEKNIK SIPIL S-1

FAKULTAS TEKNIK SIPIL DAN PERENCANAAN

INSTITUT TEKNOLOGI NASIONAL MALANG

2015

KATA PENGANTAR

Puji syukur penulis panjatkan kepada Allah SWT Tuhan Yang Maha Esa karena rahmat-Nya penulis dapat menyelesaikan skripsi ini yang berjudul " **Perencanaan Struktur Plat Cendawan Pada Proyek Hotel Berbintang Jl. Pattimura 19 Malang"** tepat pada waktunya.

Adapun tujuan dari penyusunan skripsi ini adalah sebagai syarat salah satu persyaratan untuk menyelesaikan Program Pendidikan S1 pada Jurusan Teknik Sipil Istitut Teknologi Nasional Malang.

Dalam penyusunan Skripsi ini, penulis menyadari bahwa saran bantuan dan bimbingan sudah banyak penulis terima dari berbagai pihak baik secara langgsung maupun tidak langsung. Dan pada kesempatan kali ini penulis mengucapkan terimkasih kepada :

1. Dr. Ir. Lalu Mulyadi, MT. Selaku Rektor Istitut Teknologi Nasional Malang yang telah memberikan kesempatan bagi penulis untuk mendapatkan pendidikan di Istitut Teknologi Nasional Malang.
2. Ir. H. Sudirman Indra, Msc. Selaku Dekan Fakultas Teknik sipil dan Perencanaan
3. Ir. A. Agus Santosa, MT. Selaku Ketua Jurusan Teknik Sipil Istitut Teknologi Nasional Malang yang telah memberikan pengarahan dalam menyusun Skripsi ini.
4. Ir. A. Agus Santosa, MT. Selaku dosen Pembimbing I yang telah banyak memberikan pengarahan, bimbingan dalam penyusunan Skripsi ini.

5. Ir. Munasih, MT. Selaku dosen Pembimbing II yang telah banyak memberikan bimbingan, masukan, koreksi serta saran-saran dalam penyusunan skripsi ini.
6. Semua Dosen dan Staf dikampus yang telah membantu memperluas wawasan, memberikan informasi dan mempermudah pengurusan administrasi dalam penyusunan Skripsi ini.
7. Keluarga besar besar yang tercinta Bapak, Ibu dan Saudara-saudara saya yang telah memberikan dukungan dan motivasi kepada penulis guna menyelesaikan Skripsi ini.
8. Teman-teman seangkatan dan seperjuangan yang sudah memberikan masukan dan bantuan dalam penyusunan skripsi ini.
9. Semua pihak yang telah membantu dalam penyusunan Skripsi ini yang tidak bisa penulis sebutkan satu persatu.

Harapan penulis semoga Skripsi ini dapat bermanfaat dan berguna bagi para pembacanya. Penulis menyadari Skripsi ini sangat jauh dari sempurna mengingat Keterbatasan penulis dalam bidang ini dan penulis mengharapkan saran dan Kritik yang sifatnya membangun demi kesempurnaan Skripsi ini.

Malang, 2015

Penulis

"PERENCANAAN STRUKTUR PELAT CENDAWAN PADA PROYEK PEMBANGUNAN HOTEL BERBINTANG MALANG (JL. PATTIMURA 19 KOTA MALANG)". Skripsi, Jurusan Teknik Sipil S-1, Institut Teknologi Nasional Malang. Made Aditya Kusumayuda, 11.21.070, 2015. Pembimbing : (I) Ir. A. Agus Santosa., MT. (II) Ir. Munasih., MT.

ABSTRAKSI

Dalam membangun gedung kita umumnya , sistem penulangan pada pelat lantai masih menggunakan sistem beton bertulang. Dengan semakin berkembangnya zaman dan desain dalam arsitektur, banyak desain yang menuntut mengurangi banyaknya kolom dalam suatu lantai. Dengan demikian jarak tumpuan untuk pelat lantai menjadi semakin panjang sehingga dimensi pelat lantai itu sendiri menjadi lebih besar. Hal ini dapat diatasi dengan sistem flat slab. Flat slab adalah pelat beton bertulang yang ditumpu secara langsung oleh kolom-kolom tanpa melalui balok-balok perantara.

Tujuan dalam penulisan sripsi ini adalah untuk dapat mengetahui bagaimana merencanakan struktur pelat cendawan dengan penebalan pelat dan penulangan penebalan pelat cendawan yang sesuai dengan peraturan SNI – 03 – 2847 – 2013.

Flat slab mempunyai kekuatan geser yang cukup dengan adanya salah satu atau kedua hal berikut, pertama adanya drop panel yang merupakan penebalan pelat didaerah kolom, kedua dibuatnya kepala kolom yaitu pelebaran yang mengecil dari ujung kolom atas.

INSTITUT TEKNOLOGI NASIONAL MALANG

FAKULTAS TEKNIK SIPIL DAN PERENCANAAN

PROGRAM STUDI TEKNIK SIPIL

Jl. Bendungan Sigura-gura No. 2 Telp. (0341) 551431, Fax. (0341) 553015 Malang 65145

PERNYATAAN KEASLIAN SKRIPSI

Saya yang bertanda tangan di bawah ini :

Nama : **Made Aditya Kusumayuda**

NIM : **11 . 21 . 070**

Program Studi : **Teknik Sipil S - 1**

Fakultas : **Teknik Sipil dan Perencanaan**

Menyatakan dengan sesungguhnya bahwa skripsi saya yang berjudul :

"**PERENCANAAN STRUKTUR PLAT CENDAWAN PADA PROYEK HOTEL BERBINTANG JALAN PATTIMURA 19 KOTA MALANG**" adalah hasil karya saya sendiri dan bukan merupakan duplikat serta tidak mengutip atau menyadur seluruhnya dari hasil karya orang lain kecuali disebutkan dari sumber aslinya dan tercantum dalam daftar pustaka.

Malang, 2015

Yang membuat pernyataan,

(Made Aditya Kusumayuda)

DAFTAR ISI

BAB I

PENDAHULUAN

1.1 Latar Belakang

Dalam membangun gedung kita umumnya , sistem penulangan pada pelat lantai masih menggunakan sistem beton bertulang. Dengan semakin berkembangnya zaman dan desain dalam arsitektur, banyak desain yang menuntut mengurangi banyaknya kolom dalam suatu lantai. Dengan demikian jarak tumpuan untuk pelat lantai menjadi semakin panjang sehingga dimensi pelat lantai itu sendiri menjadi lebih besar. Hal ini dapat diatasi dengan sistem flat slab. Flat slab adalah pelat beton bertulang yang ditumpu secara langsung oleh kolom-kolom tanpa melalui balok-balok perantara. Flat slab mempunyai kekuatan geser yang cukup dengan adanya salah satu atau kedua hal berikut, pertama adanya drop panel yang merupakan penebalan pelat didaerah kolom, kedua dibuatnya kepala kolom yaitu pelebaran yang mengecil dari ujung kolom atas.

Dalam tugas akhir ini bermaksud untuk memodifikasi Hotel Berbintang Pattimura Malang menggunakan metode flab slab (cendawan). Pada kondisi sebenarnya masih menggunakan struktur portal beton bertulang. Flat Slab mempunyai kelebihan kelebihan diantaranya; fleksibilitas terhadap tata ruang; waktu pengerjaan yang relatif lebih pendek; hal ini dapat dilihat dari proses pembuatan dimana pengecoran pelat dapat langsung dilakukan tanpa perlu mengecor balok lebih dulu; hemat dalam penggunaan bekisting; menghemat tinggi bangunan, tinggi ruang bebas lebih besar dikarenakan tidak adanya pengurangan akibat balok dan komponen pendukung struktur lainnya.

1.2 Rumusan Masalah

Berdasarkan dari uraian diatas maka dapat dirumuskan masalah yang dapat dibahas yaitu:

1. Berapa tebal plat yang memenuhi syarat pada struktur flat slab ?
2. Berapa tulangan yang diperlukan pada struktur flat slab ?

1.3 Tujuan

Tujuan dilakukan analisa ini adalah sebagai berikut :

1. Untuk mengetahui tebal plat yang memenuhi syarat struktur flat slab.
2. Untuk mengetahui tulangan yang diperlukan pada struktur flat slab.

1.4 Batasan Masalah

Batasan masalah yang akan dibahas dalam tulisan ini, yaitu :

1. Perencanaan tebal pelat yang memenuhi syarat pada struktur flat slab.
2. Perencanaan tulangan yang diperlukan pada struktur flat slab.

Peraturan yang digunakan :

1. Persyaratan Beton Struktural untuk Bangunan Gedung (SNI – 2847 – 2013)
2. Program yang digunakan Sap2000

BAB II
LANDASAN TEORI

2.1 Tinjauan Umum Struktur Pelat

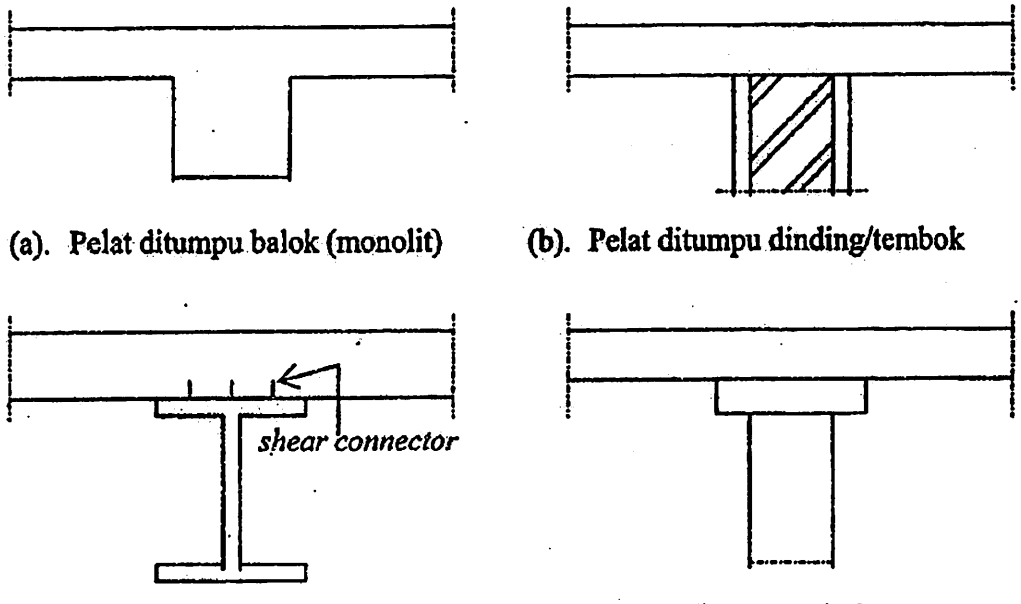
Pelat beton (*slab*) merupakan elemen struktur yang paling luas digunakan dalam bentuk lantai dan atap bangunan untuk menompang beban normal pada permukaannya. Pelat tersebut dapat ditopang pada dinding atau balok secara langsung pada kolom. Balok yang menompang pelat dipertimbangkan (dianggap) kaku dengan lendutan (*deflection)* relative sangat kecil jika dibandingkan lendutan pelat. Pelat yang ditopang pada dinding atau balok diklasifikasikan sebagai pelat dengan tumpuan tepi (*edge supported slabs*). Pelat yang ditopang secara langsung pada kolom tanpa balok dikenal sebagai pelat cendawan (*flat slabs*).

Pelat tumpuan tepi secara umum berbentuk persegi, namun dapat juga dalam berbagai bentuk seperti segitiga, trapesium, lingkaran dan lainnya. Beban ditransfer dari pelat dalam bentuk momen lentur, geser dan torsi ketumpuan. Seperti pelat yang ditumpu pada dua sisi yang sejajar yang memikul beban lentur dalam arah sejajar memanjang pada tumpuannya. Hal ini dikenal sebagai pelat satu arah dan sebenarnya merupakan suatu balok dengan dimensi lebar yang besar. Pelat yang ditumpu pada keempat sisinya juga dapat merupakan pelat satu arah (*one way slab*) jika dimensi sepanjangnya sangat besar dibandingkan dengan lebarnya. Pelat persegi panjang dengan dimensi panjang tidak terlalu besar dibandingkan dengan dimensi lebarnya atau pelat bujur sangkar yang didukung pada keempat sisinya memikul beban lentur pada dua arah sejajar. Seperti pelat yang dikenal sebagai pelat dua arah (*two way slab*).

2.2 Tumpuan pelat

Untuk merencanakan pelat beton bertulang yang perlu dipertimbangkan tidak hanya pembebanan saja, tetapi juga jenis perletakan dan jenis penghubung di tempat tumpuan. Kekakuan hubungan antara pelat dan tumpuan akan menentukan besar momen lentur yang terjadi pada pelat.

Untuk bangunan gedung, umumnya pelat tersebut ditumpu oleh balok-balok secara monolit, yaitu pelat dan balok dicor bersama-sama sehingga menjadi satu-kesatuan, seperti gambar (a), atau ditumpu oleh dinding-dinding bangunan seperti pada gambar (b). Kemungkinan lainnya, yaitu pelat didukung oleh balok-balok baja dengan sistem komposit seperti pada gambar (c), atau didukung oleh kolom secara langsung tanpa balok, yang dikenal dengan pelat cendawan, seperti pada gambar (d).



(a). Pelat ditumpu balok (monolit)

(b). Pelat ditumpu dinding/tembok

(C). Pelar ditumpu balok baja dengan sistem komposit

(b). Pelat ditumpu kolom secara langsung (pelat cendawan)

Gambar 2.2.1 Penumpu pelat

2.3 Pembatasan Tebal Pelat

2.3.1 Persyaratan Tebal Pelat

Peraturan SNI – 2847 – 2013 memberikan persyaratan tebal minimum yang dapat digunakan dalam lantai dua arah dalam pengendalian lendutan sebagai berikut :

1. Tebal minimum pelat tanpa balok interior yang menghubungkan tumpuan – tumpuan mempunyai rasio bentang panjang terhadap bentang pendek yang tidak lebih dari dua, harus memenuhi ketentuan dari tabel 2.3.1.1 dan tidak boleh kurang dari :
   a. Pelat tanpa penebalan (drop panel).....120mm
   b. Pelat dengan penebalan.....100mm

Tegangan leleh, f_y MPa[†]	Tanpa penebalan[‡]			Dengan penebalan[‡]		
	Panel eksterior		Panel interior	Panel eksterior		Panel interior
	Tanpa balok pinggir	Dengan balok pinggir[§]		Tanpa balok pinggir	Dengan balok pinggir[§]	
280	$\ell_n/33$	$\ell_n/36$	$\ell_n/36$	$\ell_n/36$	$\ell_n/40$	$\ell_n/40$
420	$\ell_n/30$	$\ell_n/33$	$\ell_n/33$	$\ell_n/33$	$\ell_n/36$	$\ell_n/36$
520	$\ell_n/28$	$\ell_n/31$	$\ell_n/31$	$\ell_n/31$	$\ell_n/34$	$\ell_n/34$

*Untuk konstruksi dua arah, ℓ_n adalah panjang bentang bersih dalam arah panjang, diukur muka ke muka tumpuan pada pelat tanpa balok dan muka ke muka balok atau tumpuan lainnya pada kasus yang lain.
†Untuk f_y antara nilai yang diberikan dalam tabel, tebal minimum harus ditentukan dengan interpolasi linier.
‡Panel drop didefinisikan dalam 13.2.5.
§Pelat dengan balok di antara kolom kolomnya di sepanjang tepi eksterior. Nilai α_f untuk balok tepi tidak boleh kurang dari 0,8.

Tabel 2.3.1.1 Tebal minimum dari pelat tanpa balok interior (Sumber : SNI – 2847 – 2013)

2. Pelat dengan tebal kurang dari tebal minimum yang ditetapkan dalam butir 1 boleh digunakan bila dapat ditunjukan dengan perhitungan lendutan yang terjadi tidak melebihi batas lendutan yang ditetapkan

dalam tabel 2.3.1.2 lendutan tersebut harus ditentukan dengan memperhitungkan pengaruh dari ukuran dan bentuk panel, kondisi tumpuan, dan keadaan kekangan pada sisi panel.

Jenis komponen struktur	Lendutan yang diperhitungkan	Batas lendutan
Atap datar yang tidak menumpu atau tidak disatukan dengan komponen nonstruktural yang mungkin akan rusak oleh lendutan yang besar	Lendutan seketika akibat beban hidup L	$\ell/180^*$
Lantai yang tidak menumpu atau tidak disatukan dengan komponen nonstruktural yang mungkin akan rusak oleh lendutan yang besar	Lendutan seketika akibat beban hidup L	$\ell/360$
Jenis komponen struktur	**Lendutan yang diperhitungkan**	**Batas lendutan**
Konstruksi atap atau lantai yang menumpu atau disatukan dengan komponen nonstruktural yang mungkin akan rusak oleh lendutan yang besar	Bagian dari lendutan total yang terjadi setelah pemasangan komponen nonstruktural (jumlah dari lendutan jangka panjang, akibat semua beban tetap yang bekerja, dan lendutan seketika, akibat penambahan beban hidup)[†]	$\ell/480^‡$
Konstruksi atap atau lantai yang menumpu atau disatukan dengan komponen nonstruktural yang mungkin tidak akan rusak oleh lendutan yang besar.		$\ell/240^§$

*Batasan ini tidak dimaksudkan untuk mencegah kemungkinan penggenangan air. Kemungkinan penggenangan air harus diperiksa dengan melakukan perhitungan lendutan, termasuk lendutan tambahan akibat adanya penggenangan air tersebut, dan mempertimbangkan pengaruh jangka panjang dari beban yang selalu bekerja, lawan lendut (*camber*), toleransi konstruksi, dan keandalan sistem drainase.

[†]Lendutan jangka panjang harus dihitung berdasarkan ketentuan 9.5.2.5 atau 9.5.4.3, tetapi boleh dikurangi dengan nilai lendutan yang terjadi sebelum penambahan komponen non-struktur. Besarnya nilai lendutan ini harus ditentukan berdasarkan data teknis yang dapat diterima berkenaan dengan karakteristik hubungan waktu dan lendutan dari komponen struktur yang serupa dengan komponen struktur yang ditinjau.

[‡]Batas lendutan boleh dilampaui bila langkah pencegahan kerusakan terhadap komponen yang ditumpu atau yang disatukan telah dilakukan.

[§]Batas lendutan tidak boleh lebih besar dari toleransi yang disediakan untuk komponen non-struktur. Batasan ini boleh dilampaui bila ada lawan lendut yang disediakan sedemikian hingga lendutan total dikurangi lawan lendut tidak melebihi batas lendutan yang ada.

Tabel 2.3.1.2 Lendutan ijin maksimum (Sumber : SNI – 2847 – 2013)

3. Tepi panel yang tidak menerus jika ada balok tepi harus mempunyai rasio kekakuan α tidak kurang dari 0,8 dan tebal minimum pelat dengan balok yang ditetapkan harus dipertebal paling sedikit 10% pada panel tepi yang tidak menerus.

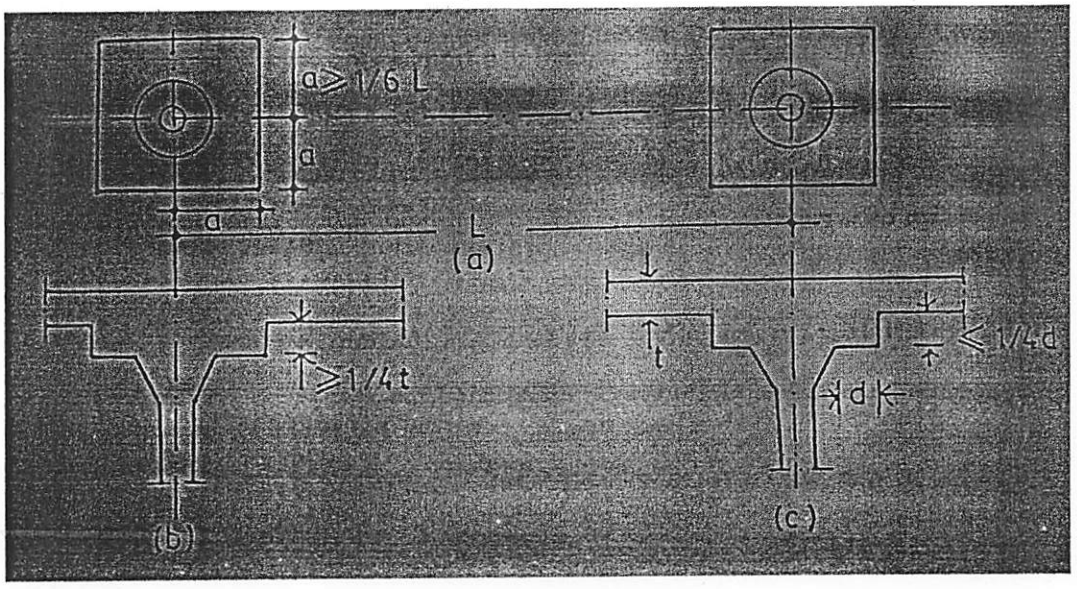
2.4 Drop Panel

Pertebalan pelat drop panel bermanfaat untuk mengurangi jumlah tulangan momen negatif yang melewati kolom dari suatu pelat datar. Ukuran dari pertebalan pelat menurut SNI 2847_2013, pasal 13.2.5). Adalah sebagai berikut :

(1) Pada setiap arah, pertebalan pelat harus menjorok dari garis sumbu perletakan sejarak tidak kurang dari 1/6 panjang bentang yang diukur dari sumbu ke sumbu perletakan dalam arah tersebut.

(2) Proyeksi pertebalan panel dibawah pelat paling tidak harus berukuran seperempat dari tebal pelat yang berada diluar penurunan panel tersebut.

(3) Dalam menghitung tulangan pelat yang diperlukan, tebal pertebalan panel dibawah pelat tidak boleh diasumsikan lebih besar dari 1/4 dari jarak antara tepi pertebalan panel sampai tepi kolom atau kepala kolom.



Gambar 2.4.1 Persyaratan penebalan pelat (Sumber : Sudarmoko,1996 : 37)

2.5 Penyaluran Momen dalam sambungan pelat dan kolom

Bila beban gravitasi, angin, gempa atau beban lateral menyebabkan terjadinya penyaluran momen tidak berimbang Mu antara pelat dan kolom, maka sebagian momen tidak berimbang Mu antara pelat dan kolom, maka sebagian momen tidak berimbang tersebut yaitu Mu, harus disalurkan sebagai lentur mengikuti ketentuan dan sisanya, yaitu Mu disalurkan melalui eksentrisitas geser terhadap pusat penampang kritis yang didefinisikan dalam.

$\gamma_v = (1 - \gamma_f)$

Tegangan geser yang terjadi akibat penyaluran momen melalui eksentrisitas geser harus dianggap dianggap bervariasi linier terhadap pusat penampang kritis, tegangan geser maksimum akibat gaya geser dan momen terfaktor tidak boleh melebihi V_n :

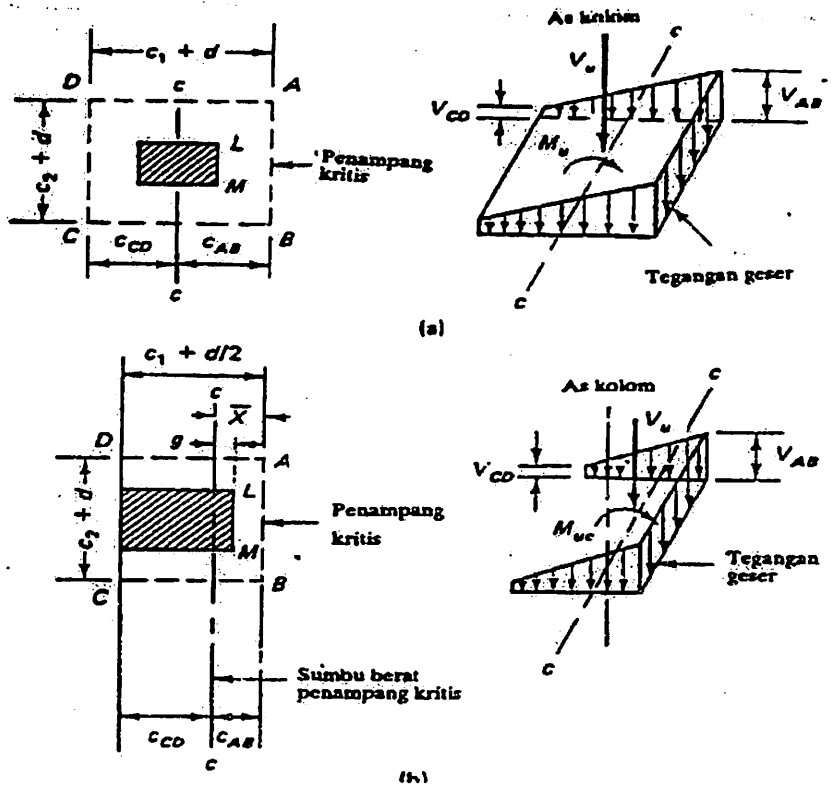
1. Untuk komponen struktur tanpa tulangan geser:

$V_n = V_c/(b.d)$

2. Untuk komponen struktur yang menggunakan tulangan geser selain dari profil penahan

$$V_n = (V_c + V_s)/(b.d)$$

3. Bila tulangan geser yang digunakan terdiri dari penahan geser yang terbuat dari profil baja atau kanal, maka jumlah total tegangan-tegangan geser yang bekerja pada penampang kritis (1/3)



Gambar 2.5.1 Distribusi tegangan geser (Sumber : Edward G.Nawi)

2.6 Penulangan Pelat

1. Luas tulangan pelat pada masing – masing arah dari sistem pelat dua arah ditentukan dengan meinjau momen – momen pada penampang kritis tapi tidak boleh kurang dari pada yang disyaratkan.
2. Spasi tulangan pada penampang kritis tidak boleh lebih dari pada dua kali tebal pelat kecuali untuk bagian pelat yang berada pada daerah rongga atau rusuk. Pada bagian pelat di atas daerah rongga, tulangan diadakan syaratnya.
3. Tulangan momen positif yang tegak lurus tepi tak menerus harus diteruskan hingga mencapai tepi pelat dan ditanam, dapat dengan kaitan, minimum sepanjang 150 mm ke dalam balok tepi, kolom, atau dinding.
4. Tulangan momen negatif yang tegak lurus tepi tak menerus harus dibengkokan atau diangkur pada balok tepi, kolom, atau dinding, sesuai dengan ketentuan mengenai panjang penanaman.
5. Bila pelat tidak memiliki balok tepi atau dinding pada tepi tak menerus, atau pada pelat yang membentuk kantilever pada tumpuan maka pengangkuran tulangan harus dilakukan didalam pelat itu sendiri.
6. Pada pelat dengan balok yang membentang di antara kedua tumpuannya, dan dimana subskrip b merujuk pada balok dan p merujuk pada pelat, harus disediakan tulangan khusus di sisi atas dan

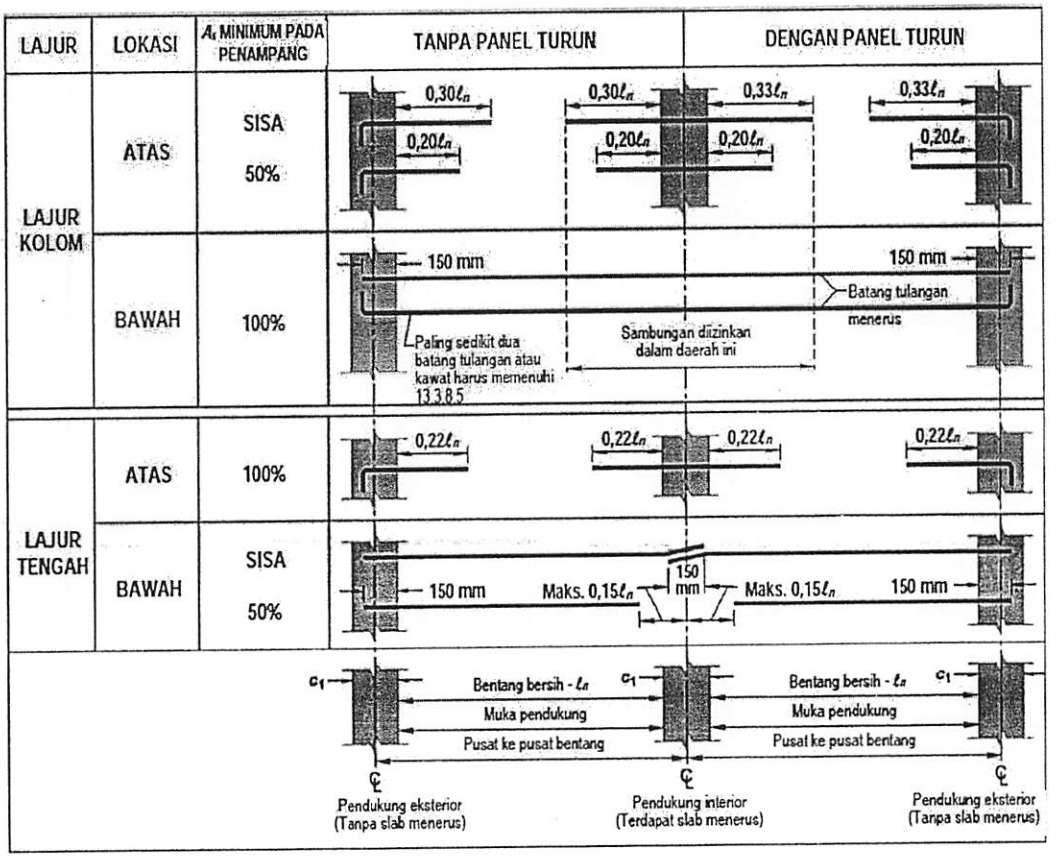
$$\alpha = \frac{Ecblcb}{Ecplcp} > 1{,}0 \quad \text{.....(2.1)}$$

bawah bagian pelat yang berada di sudut luar, sebagai berikut: (1) Tulangan khusus pada sisi atas dan bawah pelat harus cukup untuk memikul momen positif maksimum (per satuan lebar) pada pelat. (2) Untuk tulangan yang berada di sisi atas, vektor momen tersebut harus dianggap bekerja tegak lurus garis diagonal pada sudut pelat; sedangkan untuk tulangan yang berada di sisi bawah, vektor momen tersebut harus dianggap bekerja sejajar garis diagonal. (3) Tulangan tersebut harus disediakan pada masing – masing arah sejarak 1/5 bentang tepanjang dari sudut pelat yang ditinjau. (4) Tulangan khusus tersebut dipasang dalam bentuk lajur pararel dengan diagonal untuk sisi atas dan tegak lurus diagonal untuk sisi bawah. Sebagai alternatif, tulangan tersebut dapat dipasang dalam dua rangkap pararel dengan tepi – tepi pelat, di sisi atas dan di sisi bawah dari pelat tersebut.

7. Bila digunakan penebalan panel setempat untuk mereduksi jumlah tulangan momen negatif di daerah kolom maka dimensi penebalan panel setempat harus sesuai dengan hal – hal berikut ini : (1) Penebalan panel setempat disediakan pada kedua arah dari pusat tumpuan tidak kurang dari pada 1/6 jarak pusat ke pusat tumpuan pada arah yang ditinjau. (2) Tebal penebalan panel setempat tidak boleh kurang dari pada ¼ tebal pelat diluar daerah penebalan panel setempat. (3) Pada perhitungan tulangan pelat yang diperlukan, tebal

penebalan panel setempat tidak boleh diambil lebih dari pada ¼ jarak dari tepi panel setempat ke tepi kolom atau tepi kepala kolom.

8. Detail tulangan pada pelat tanpa balok :
    1. Sebagai tambahan terhadap persyaratan 15.3, tulangan pada pelat tanpa balok harus diteruskan dengan panjang minimum.
    2. Bila panjang bentang yang bersebelahan tidak sama maka penerusan tulangan momen negatif diluar bidang muka tumpuan seperti yang dipersyaratkan harus didasarkan pada bentang yang lebih panjang.
    3. Tulangan miring hanya diperkenankan bila perbandingan tinggi terhadap bentang memungkinkan untuk digunakannya tulangan dengan kemiringan ≤ 45.



2.6.1 Detail tulangan pada pelat tanpa balok(21399-SNI 2847-2013)

2.7 Penulangan Lentur Pelat

Penulangan lentur pelat dapat dilakukan apabila sudah ditetapkan tebal pelat (h), mutu beton (fc'), mutu baja (fy) dan momen rencana (Mr). Prosedur hitungan dapat disusun seperti langkah – langkah sebagai berikut :

1. Menentukan tinggi efektif (d) dari tebal pelat yang sudah di tentukan.
2. Menentukan lebar tinjauan pelat (b), biasanya ditinjau tiap satu meter lebar.
3. Menghitung harga Mu/bd^2 dalam satuan Kn/m^2, dimana harga Mu = Mr/Ø

4. Membaca rasio tulangan (p) dan harga Mu/bd^2.
5. Menghitung As dengan As = p b 10^6 mm^2 bila b dan d dalam mm atau As = b d 10^4 cm^2 *Type equation here.*
6. Periksa apakah pmin <p<pmaks
7. Pilih tulangan dan jarak antar tulangan berdasarkan persyaratan jarak antar tulangan tidak boleh kurang dari 25 mm.

(Sudarmoko 1996 : 65)

2.8 Analisis Kapasitas Lentur

Hitungan analisa kapasitas lentur tampang pelat dapat dilakukan jika diketahui tinggi efektif pelat d, mutu beton fc, mutu baja fy, luas dan diameter tulangan. Prosedur hitungan kapasitas lentur dapat disusun seperti langkah – langkah berikut :

1. Menemukan lebar tinjauan pelat b, biasanya ditinjau tiap satu meter lebar.
2. Menentukan luas total tulangan yang ada (A_1 ada) permeter lebar yang ditinjau.
3. Menentukan harga

$$A = \frac{As\ ada\ fy}{0{,}85\ fc\ b} \quad \text{.....(2.2)}$$

4. Menghitung harga Momen Mu
5. Menentukan harga momen nominal (Mn)

Mn = Mu > M rencana (Mr)

(Sumber, Sudarmoko 1996 : 65)

2.9 Tulangan Geser

2.9.1 Geser pada pelat

Pelat termasuk komponen struktur lentur tinggi. Untuk perencanaan komponen struktur lentur tinggi terhadap geser harus memenuhi ketentuan sebagai berikut :

1. Perencanaan penampang akibat geser harus didasarkan pada Vu $\leq$ Vn dimana Vu adalah gaya geser terfaktor pada penampang yang ditinjau dan Vn adalah kuat geser nominal yang dihitung dari Vn = Vc + V_8. Dimana Vc adalah kuat geser nominal beton dan Vs adalah kuat nominal tulangan geser.
2. Untuk kompone struktur yang dibebani oleh geser dan lentur saja

   Vc = (f c^1 / 6) b d. .....(2.3)
3. Bila Vu $\geq$ Vc maka harus disediakan tulangan geser, bila digunakan tulangan geser yang tegak lurus terhadap sumbu aksial komponen struktur, maka $Vs = \frac{Av.fy.d}{s}$ dimana Av adalah luas tulangan geser dalam jarak. Jika tulangan yang dipakai tulangan geser dengan sengkang miring 45 ® maka menggunakan

   Vs = Av fy sin α .....(2.4)
4. Kuat geser Vs tidak boleh lebih dari (2 fc' / 3) b d.

(Sumber, Sudarmoko 1996 : 19)

BAB III

METODOLOGI

3.1 Objek Kajian

- Nama Proyek : Pembangunan Hotel Berbintang
- Lokasi : Jl. Pattimura 19 Malang
- Fungsi Bangunan : Hotel
- Panjang Bangunan : 34 m
- Lebar Bangunan : 17 m
- Tinggi bangunan : 32,29 m

3.2 Metode Penelitian

Metode yang digunakan dalam penelitian ini adalah dengan pendekatan studi kasus.

3.3 Metode Pengumpulan Data

1. Observasi (Pengamatan)

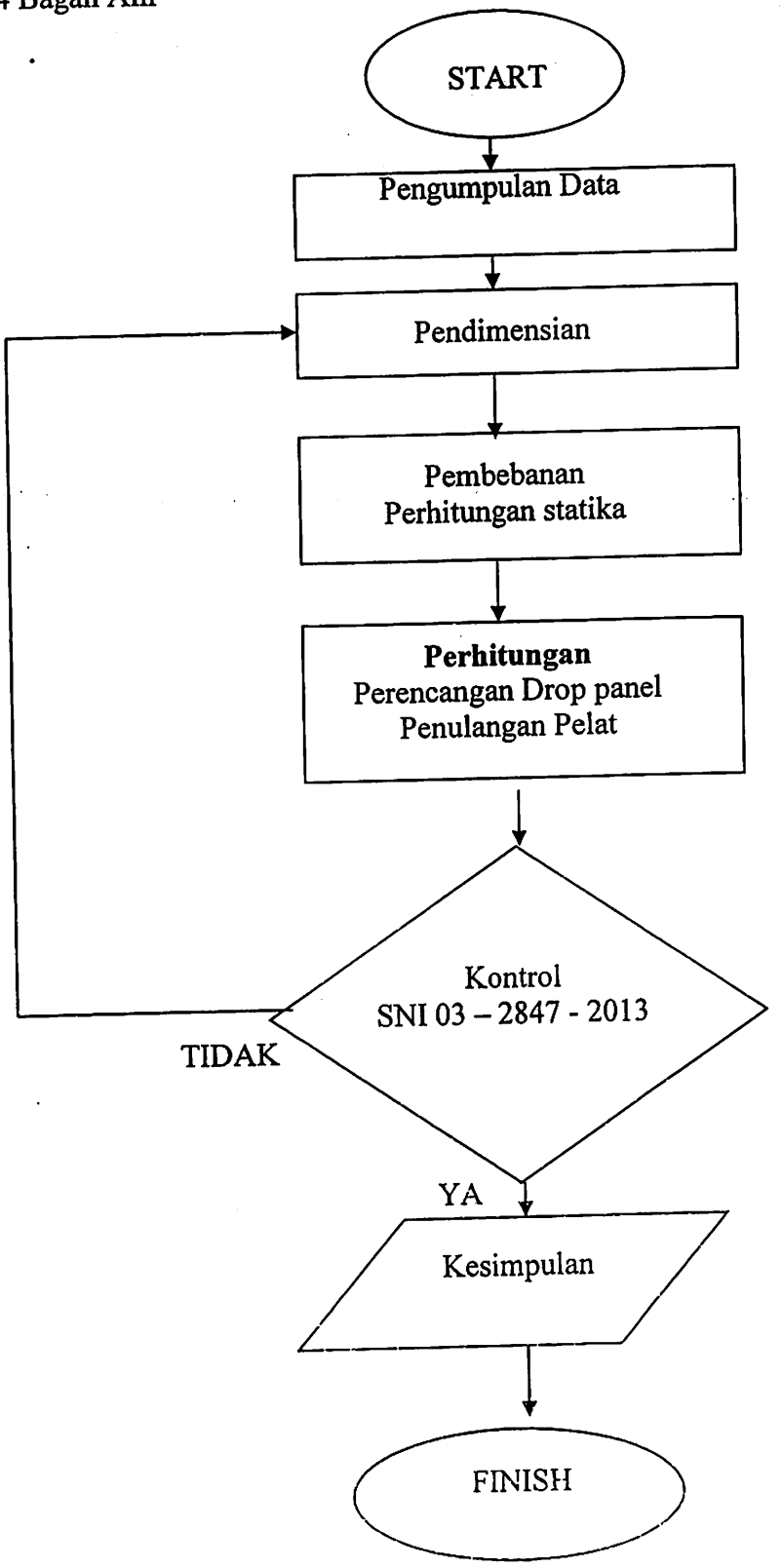
Observasi dilakukan untuk mengetahui situasi objek yang sedang dikaji yaitu dengan cara melakukan tinjauan langsung pada Hotel Berbintang Dikota Malang.

2. Pengambilan data yang sudah ada

Pengumpulan data-data primer yang sudah ada dari perusahaan yang berkaitan dengan pembangunan Hotel Berbintang Dikota Malang berupa:

a. Gambar-gambar pekerjaan proyek pembangunan Hotel Berbintang Dikota Malang diantaranya yaitu Gambar Arsitektur dan Gambar Struktur.

3.4 Bagan Alir



BAB 4

ANALISA STRUKTUR

4.1.1Perhitungan Tebal Pelat Minimum Dengan Penebalan Berdasarkan SNI 2847 2013

ln = 8350 - (1 x 600 + 0,5 x 600) = 7750 mm

- Untuk Panel Luar :

$$h = \frac{ln}{33} = \frac{7750}{33} = 234{,}85 \approx 240 \text{ mm}$$

- Untuk Panel Dalam :

$$h = \frac{ln}{36} = \frac{7750}{36} = 215{,}28 \approx 220 \text{ mm}$$

Maka tebal pelat diambil 240 mm > 100 mm **OK**

Direduksi 10 % = 240 - (240 x 10%) = 216 ≈ 220 mm

4.1.2Perencanaan Tebal Drop Panel

> Perencanaan Minimum Drop Panel 1

- Tebal Drop Panel 1 = 1/2 x hpelat = 1.4 x 220 = 308 mm

  Jadi tebal drop panel = 220 + 300 = 520 mm

- Jarak Drop Panel dari As (a) = 1/6 x L

  = 1/6 x 8350 = 1391,7 mm ≈ 1400 mm

  Jadi dimensi drop panel 2800 x 2800 mm

- Tebal Efektif (d) =

  d = hpelat - 1/2 Diameter tul.utama - Selimut beton

  = 220 - (1/2 x 12) - 20 = 194 mm

> Perencanaan Minimum Drop Panel 2

- Tebal Drop Panel 1 = 1 1/4 x hpelat = 1 1/4 x 520 = 650 mm

  Jadi tebal drop panel = 520 + 650 = 1170 mm

- Jarak Drop Panel dari As (a) = 1/6 x Jarak Drop Panel 1

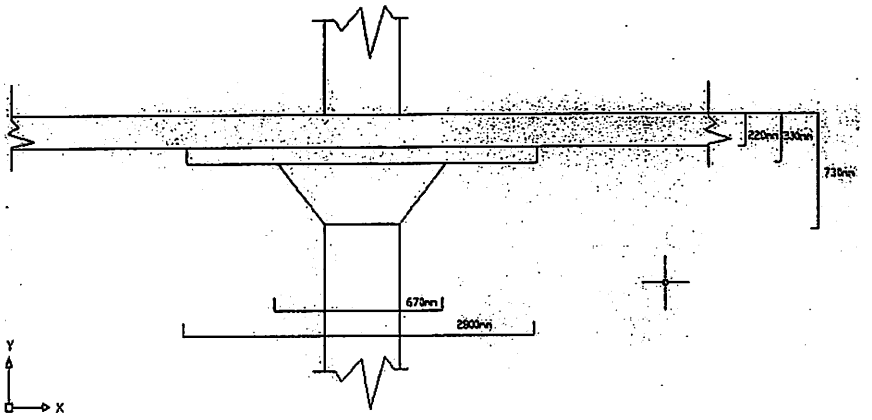
  = 1/6 x 2800 = 466,67 mm ≈ 670 mm

  Jadi dimensi drop panel 670 x 670 mm

- Tebal Efektif (d) =

  d = hpelat - 1/2 Diameter tul.utama - Selimut beton

= 194 - (1/2 x 12) - 20 = 168 mm



Gambar 4.1.2.1 Gambar Drop panel

Perhitungan Tebal Pelat Minimum Dengan Penebalan Berdasarkan SNI 2847 2013										
No	Pertebalan Pelat	Bentang (mm)	*ln* (mm) *l-((0,5xb)+(0,5xh))*	Panel				Diambil	Reduksi 10%	Dikapai h pelat
				h Luar		h Dalam				
				ln/33		ln/36				
1	A	8350	7750	234,84848	240	215,277778	220	240	216	220
2	B	7750	7150	216,66667	220	198,611111	200	220	198	200
3	C	6750	6150	186,36364	190	170,833333	180	190	171	180
4	D	6500	5900	178,78788	180	163,888889	170	180	162	170
5	E	5650	5050	153,0303	160	140,277778	150	160	144	150
6	F	3000	2400	72,727273	80	66,6666667	70	80	72	80

Perencanaan Tebal Minimum Drop Panel 1									
No	Pelat		H Pelat	DP 1 (Tebal Drop panel 1) l/4*h pelat	Tebal Drop Panel 1 h DP 1 + tebal pelat	DP 1 (Tebal Drop panel 1) Dipakai	Jarak 1/6 * L	Jarak Dipakai	Tebal efektif hpelat-1/2 D tul.utama - selimut beton
		8350	220	110	330	330	1391,66667	1400	194
		7750	200	100	300	300	1291,66667	1400	174
		6750	180	90	270	300	1125	1200	154
		6500	170	85	255	300	1083,33333	1200	144

Perencanaan Tebal Minimum Drop Panel 2									
No	Pelat		H Pelat	DP 2 (Tebal Drop panel 2) l/4*h pelat	Tebal Drop Panel 2 h DP 1 + DP 2	DP 1 (Tebal Drop panel 1) Dipakai	Jarak 1/6 * L	Jarak Dipakai	Tebal efektif hpelat-1/2 D tul.utama - selimut beton
		1400	330	82,5	412,5	400	238	670	168
		1400	300	75	375	400	238	670	148
		1200	300	75	375	400	204	670	128
		1200	300	75	375	400	204	670	118

Dari hasil analisa drop panel diperoleh 2 macam type drop panel :

1. Type A dengan tebal drop panel 1 = 520 mm ukuran 2800 x 2800 mm, drop panel 2 = 1170 ukuran 1340 x 1340
2. Type B dengan tebal drop panel 1 = 500 mm ukuran 2400 x 2400 mm, drop panel 2 = 1150 ukuran 1340 x 1340

4.2 Kontrol Geser

4.2.1 Beban Tiap Pelat drop panel

4.2.1.1 Beban Tiap Pelat drop panel (A)

Beban Mati

*Berat Sendiri Pelat	=	0,22	x	2400	=	528	Kg/m²	
*Berat Urug Pasir	=	0,05	x	1600	=	80	Kg/m²	
*Berat Keramik	=	0,02	x	2400	=	48	Kg/m²	
*Berat Adukan	=	0,02	x	2100	=	42	Kg/m²	+
						698	Kg/m²	

Beban Hidup

*Berat hidup untuk hotel = 250 Kg/m²

qu = 1,2 qd + 1,6 ql

= 1,2 x 698 + 1,6 x 250

= 1237,6 Kg/m²

= 1,2376 t/m²

4.2.1.2 Beban Tiap Pelat drop panel (B)

Beban Mati

*Berat Sendiri Pelat	=	0,2	x	2400	=	480	Kg/m²	
*Berat Urug Pasir	=	0,05	x	1600	=	80	Kg/m²	
*Berat Keramik	=	0,02	x	2400	=	48	Kg/m²	
*Berat Adukan	=	0,02	x	2100	=	42	Kg/m²	+
						650	Kg/m²	

Beban Hidup

*Berat hidup untuk hotel = 250 Kg/m²

qu = 1,2 qd + 1,6 ql

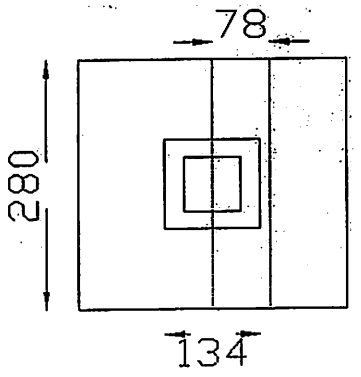
= 1,2 x 650 + 1,6 x 250

= 1180 Kg/m²

4.2.2 Kontrol Geser Pons Drop Panel

* Kontrol Geser Type A

qu = 1237,6 Kg/m²



Vu ≤ Φ Vn

Vu = L x 0,78 x qu

= 2,8 x 0,78 x 1237,6

= 2702,9184 Kg

Vc = (√fc / 6) b d

= (√30 / 6) x 780 x 730

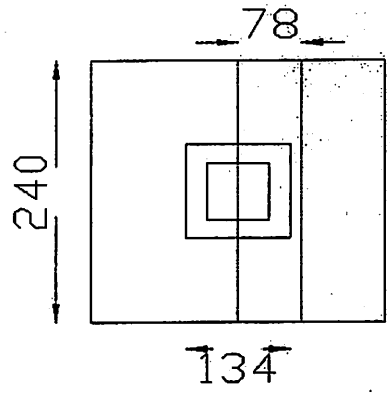
= 5200,52 Kg

Vu ≤ Φ Vc

2702,9184 ≤ 5200,52 ..... Ok (tidak diperlukan tulangan geser)

* Kontrol Geser Type B

qu = 1180 Kg/m²



Vu ≤ Φ Vc

Vu = L x 0,78 x qu

= 2,4 x 0,78 x 1180

= 2208,96 Kg

Vc = (√fc / 6) b d

= (√30 / 6) x 780 x 700

= 4986,8 Kg

Vu ≤ Φ Vc

2208,96 ≤ 4986,8 ..... Ok (tidak diperlukan tulangan geser)

4.3 Pembebanan Pelat Cendawan

4.3.1Beban drop panel (A)

Beban Mati

*Berat Sendiri Pelat	=	0,2	x	2400	=	480	Kg/m²	
* Berat Drop Panel 1	=	0,52	x	2400	=	1248	Kg/m²	
* Berat Drop Panel 2	=	1,17	x	2400	=	2808	Kg/m²	
*Berat Urug Pasir	=	0,05	x	1600	=	80	Kg/m²	
*Berat Keramik	=	0,02	x	2400	=	48	Kg/m²	
*Berat Adukan	=	0,02	x	2100	=	42	Kg/m²	+
						4706	Kg/m²	

Beban Hidup

*Berat hidup untuk hotel = 250 Kg/m²

qu = 1,2 qd + 1,6 ql

= 1,2 x 4706 + 1,6 x 250

= 6047,2 Kg/m²

4.3.2 Beban drop panel (B)

Beban Mati

*Berat Sendiri Pelat	=	0,2	x	2400	=	480	Kg/m²	
* Berat Drop Panel 1	=	0,3	x	2400	=	720	Kg/m²	
* Berat Drop Panel 2	=	0,73	x	2400	=	1752	Kg/m²	
*Berat Urug Pasir	=	0,05	x	1600	=	80	Kg/m²	
*Berat Keramik	=	0,02	x	2400	=	48	Kg/m²	
*Berat Adukan	=	0,02	x	2100	=	42	Kg/m²	+
						3122	Kg/m²	

Beban Hidup

*Berat hidup untuk hotel = 250 Kg/m²

qu = 1,2 qd + 1,6 ql

= 1,2 x 3122 + 1,6 x 250

= 4146,4 Kg/m²

= 4,1464 Kg/m²

Berat Dinding =tebal dinding x panjang dinding 1m x bj.dinding panel

x tinggi dinding

= 0,15 x 780 x 3,4 x 1

= 397,8 Kg/m

Perhitungan Momen Plat

- Tebal pelat (h) : 220 mm
- Tebal selimut beton (p) : 20 mm
- Tulangan rencana : Ø 16 mm
- Ly : 7,75 m
- Lx : 8,35 m
- Ly/Lx :

Mlx = - Mtx = 0,001 x qu x Lx^2 x Kx

= 0,001 x 1,238 69,723 x 63

= 5,4361797 tm

Mly = - Mty = 0,001 x qu x Lx^2 x Ky

= 0,001 x 1,238 x 69,723 x 54

= 4,6595826 tm

BAB V

PERENCANAAN STRUKTUR

5.1 Perencanaan Penulangan Pelat

5.1.1 Perhitungan Penulangan Pelat A

Diameter tulangan utama = D 16

Selimut beton = 20 mm

Tinggi efektif (dx) = h - 1/2 tul. Utama - tebal selimut

= 220 - (0,5 . 16) - 20

= 192 mm

Mlx = -120000 kNmm

Mn = Mlx/0,8 = -120000 / 0,8 = -150000

fc' > 30 Mpa → β1 = 0,85 - (fc' - 30). 0,008

= 0,85 - (30 - 30) . 0,008

= 0,85

$$\text{As perlu} = \frac{0{,}85 \times fc \times b \times d}{fy} \times \left(1 - \sqrt{1 - \frac{2 \times Mn}{0{,}85 \times fc \times b \times d}} \right)$$

$$= \frac{0{,}85 \times 30 \times 7750 \times 192}{390} \times \left(1 - \sqrt{1 - \frac{2 \times -150000}{0{,}85 \times 30 \times 7750 \times 192^{2}}} \right)$$

= -20031,84506 mm²

$$\text{As max} = 0{,}75 \times \frac{0{,}85 \times fc \times b \times d}{fy} \times \frac{600}{600 + fy}$$

$$= 0{,}75 \times \frac{0{,}85 \times 30 \times 7750 \times 192}{390} \times$$

$$\frac{600}{600 + 390}$$

$= 44223,77622 \text{ mm}^2$

As min = 0,002 x 7750 x 192 = 2976 mm^2

As = $\frac{1}{4}$ x π x r^2

= $\frac{1}{4}$ x 3,14 x 16^2

= 200,96 mm^2

Jarak tulangan (s) = As x b / As Perlu

= 200,96 x 1000 / 2976

= 67,527 mm ≈ 65 mm

As ada = As x b/s

= 200,96 x 7750 / 65

= 23960,62 mm^2

Kontrol :

As ada = 23960,62 mm^2 > As perlu = 2976 mm^2 .....ok

5.1.2 Perhitungan Penulangan Pelat B

Diameter tulangan utama = D 16

Selimut beton = 20 mm

Tinggi efektif (dx) = h - 1/2 tul. Utama - tebal selimut

= 1000 - (0,5 . 16) - 20

= 972 mm

Mlx = 43270,5 kNm/mm

Mn = Mlx/0,8 = 43271 / 0,8 = 54088 kNm/mm

fc' > 30 Mpa → $\beta 1$ = 0,85 - (fc' - 30). 0,008

= 0,85 - (30 - 30) . 0,008

= 0,85

As perlu = $\frac{0{,}85 \times fc \times b \times d}{fy} \times \left(1 - \sqrt{1 - \frac{2 \times Mn}{0{,}85 \times fc \times b \times d}} \right)$

$= \frac{0{,}85 \times 30 \times 6500 \times 972}{390} \times \left(1 - \sqrt{1 - \frac{2 \times 54088}{0{,}85 \times 30 \times 6500 \times 972^2}} \right)$

$= 1426{,}826378 \text{ mm}^2$

As max = $0{,}75 \times \frac{0{,}85 \times fc \times b \times d}{fy} \times \frac{600}{600 + fy}$

$= 0{,}75 \times \frac{0{,}85 \times 30 \times 6500 \times 972}{390} \times \frac{600}{600 + 390}$

$= 187772{,}7273 \text{ mm}^2$

As min = $0{,}002 \times 6500 \times 972 = 12636 \text{ mm}^2$

As = $\frac{1}{4} \times \pi \times r^2$

$= \frac{1}{4} \times 3{,}14 \times 16^2$

$= 200{,}96 \text{ mm}^2$

Jarak tulangan (s) = As x b / As Perlu

= 200,96 x 6500 / 12636

= 103,37 mm ≈ 100 mm

As ada = As x b/s

= 200,96 x 6500 / 100

= 13062,4 mm^2

Kontrol :

As ada = 13062,4 mm^2 > As perlu = 12636 mm^2 .....ok

5.2 Perencanaan Penulangan Drop Panel

5.2.1 Perhitungan Drop Panel A

Diameter tulangan utama = D 18

Selimut beton = 20 mm

Tinggi efektif (dx) = h - 1/2 tul. Utama - tebal selimut

= 520 - (0,5 . 16) - 20

= 492 mm

Mlx = 81000 kNm/mm

Mn = Mlx/0,8 = 81000 / 0,8 = 101250 kNm/mm

fc' > 30 Mpa → β1 = 0,85 - (fc' - 30). 0,008

= 0,85 - (30 - 30) . 0,008

= 0,85

$$\text{As perlu} = \frac{0{,}85 \times fc \times b \times d}{fy} \times \left(1 - \sqrt{1 - \frac{2 \times Mn}{0{,}85 \times fc \times b \times d}} \right)$$

$$= \frac{0{,}85 \times 30 \times 1000 \times 492}{390} \times \left(1 - \sqrt{1 - \frac{2 \times 101250}{0{,}85 \times 30 \times 1000 \times 492^2}} \right)$$

= 5276,7787 mm²

$$\text{As max} = 0{,}75 \times \frac{0{,}85 \times fc \times b \times d}{fy} \times \frac{600}{600 + fy}$$

$$= 0{,}75 \times \frac{0{,}85 \times 30 \times 1000 \times 492}{390} \times$$

$$= \frac{600}{600 + 390}$$

$$= 14622{,}378 \text{ mm}^2$$

As min = 0,002 x 2600 x 492 = 2558,4 mm²

As = $\frac{1}{4}$ x π x r²

= $\frac{1}{4}$ x 3,14 x 22 ²

= 379,94 mm²

Jarak tulangan (s) = As x b / As Perlu

= 379,94 x 1000 / 5276,8

= 72,002 mm ≈ 85 mm

As ada = As x b/s

= 379,94 x 2600 / 85

= 11622 mm²

Kontrol :

As ada = 11622 mm² > As perlu = 2558,4 mm² .....ok

BAB VI

KESIMPULAN DAN SARAN

5.1 Kesimpulan

Pada perencanaan Hotel Berbintang Malang menggunakan *struktur pelat flat slab.* Dari perencanaan pada laporan skripsi ini dapat diperoleh hasil diantaranya sebagai berikut :

1. Terdapat 4 penebalan plat (drop panel) dalam perencanaan struktur flat slab.
    a. Drop Panel Type A

        Tebal Drop Panel 1 = 520 mm, Ukuran 2800 x 2800 mm

        Tebal Drop Panel 2 = 1170 mm, Ukuran 1340 x 1340 mm

    b. Drop Panel Type B

        Tebal Drop Panel 1 = 500 mm, Ukuran 2400 x 2400 mm

        Tebal Drop Panel 2 = 1150 mm, Ukuran 1340 x 1340 mm
2. Hasil Penulangan Pelat.

    Dari hasil analisa dan gambar penulangan flat slab :

    Diperoleh Tulangan ø 16 – 65 mm
3. Hasil Penulangan Drop Panel.

    Dari hasil analisa dan gambar penulangan Drop Panel :

    Diperoleh tulangan ø 16 – 85 mm

5.2 Saran

- Gedung yang dikaji untuk pelat cendawan minimal jarak tumpuan untuk pelat lantai 7 meter, agar efesien.
- Perencanaan struktur gedung potal 3D, kita dapat menggunakan fasilitas program Sap2000 yang mampu menghasilkan penulangan dan hasil output secara langsung, dan bisa menggunakan program lain seperti : E-tabs dan Safe.
- Bagi pembaca yang berminat untuk merencanakan kontruksi pelat tanpa balok bisa menggunakan refrensi kontruksi pelat yang lain seperti pelat ditumpu balok grid.

DAFTAR PUSTAKA

G.Nawy,Edward.(1990).*Beton Bertulang Suatu Pendekatan Dasar.* Bandung : PT Eresco

Sudarmoko,Ir.,MSc.(1996).*Perancangan dan Analisis Pelat Beton Bertulang.* Yogjakarta : Unit Perencanaan Biro Produksi

Anonim.(2013).*Persyaratan Beton Struktural Untuk Bangunan Gedung. SNI – 2847 -2013.* Bandung

Asroni, ali.(2010). *Balok Pelat Beton Bertulang.* Graha Ilmu. Yogjakarta

Safiudin,David.(2014). *Analisa Struktur Pelat Cendawan (Flat Slab) Tanpa Balok Pada Gedung Hotel Ijen Padjajaran Suites Hotel Resort and Conventional Hall Malang.* ITN. Malang

Nasution, Amriansyah.(2009). *Analisis dan desain struktur Beton Bertulang.* Bandung : ITB Press

LAMPIRAN

INSTITUT TEKNOLOGI NASIONAL MALANG
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
PROGRAM STUDI TEKNIK SIPIL S – 1
KAMPUS I : Jl. Bendungan Sigura-gura No. 2 Telp. (0341)551431 ex.230 Malang

LEMBAR ASISTENSI

SKRIPSI

"Perencanaan Plat Cendawan Pada Proyek Hotel Berbintang Jl. Pattimura 19 KotaMalang"

Nama : Made Aditya Kusumayuda

NIM : 11.21.070

Program Studi : Teknik Sipil S-1

Dosen Pembimbing : **Ir. A. AgusSantosa, MT.**

Ir. Munasih, MT.

No.	Tanggal	Keterangan	Tanda Tangan
1	18-5-'15	. Gbr dimensi drop panel Lanjutkan	
2	7-7-'15	- Gbr kontrol tg. geser pons	
3	25-7-'15	- Gbr detail tul. dijelas - Lebih dijabarkan. - Bisa seminar hasil.	

INSTITUT TEKNOLOGI NASIONAL MALANG
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
PROGRAM STUDI TEKNIK SIPIL S – 1
KAMPUS I : Jl. Bendungan Sigura-gura No. 2 Telp. (0341)551431 ex.230 Malang

LEMBAR ASISTENSI

SKRIPSI

"Perencanaan Plat Cendawan Pada Proyek Hotel Berbintang Jl. Pattimura 19 KotaMalang"

Nama : Made Aditya Kusumayuda

NIM : 11.21.070

Program Studi : Teknik Sipil S-1

Dosen Pembimbing : Ir. A. AgusSantosa, MT.

Ir. Munasih, MT.

No.	Tanggal	Keterangan	Tanda Tangan
1	20/5 2015	* gambar semi keterangan *	[signature]
2	5/6 2015	* Satuan teknis lengkap * hitung statika	[signature]
3	20/6 2015	hitung penulangan	[signature]
4	1/7 2015	penulangan cek q buat Qb buat q lolos	[signature]
5	12/7 2015	buat kesimpulan	[signature]
6	22/7 2015	acc seminar	[signature]

INSTITUT TEKNOLOGI NASIONAL
Jl. Bendungan Sigura-gura 2
Jl. Raya Karanglo Km. 2
Malang

UJIAN SKRIPSI
PRODI TEKNIK SIPIL S-1

FORM REVISI / PERBAIKAN

BIDANG _____

Nama : Mada

NIM : _____

Hari / tanggal : _____ / _____

kan materi Skripsi meliputi :

Tulangan pada pelat

kan Skripsi harus diselesaikan **selambatnya 14 hari** terhitung sejak pelaksanaan Ujian makan. **Bila melebihi** masa 14 hari, maka **tidak dapat diikutkan Yudisium**.

Akhir telah diperbaiki dan disetujui :

Malang, _____ 20
Dosen Penguji

(_____)

Malang, _____ 20
Dosen Penguji

(_____)

INSTITUT TEKNOLOGI NASIONAL
Jl. Bendungan Sigura-gura 2
Jl. Raya Karanglo Km. 2
Malang

UJIAN SKRIPSI
PRODI TEKNIK SIPIL S-1

FORM REVISI / PERBAIKAN

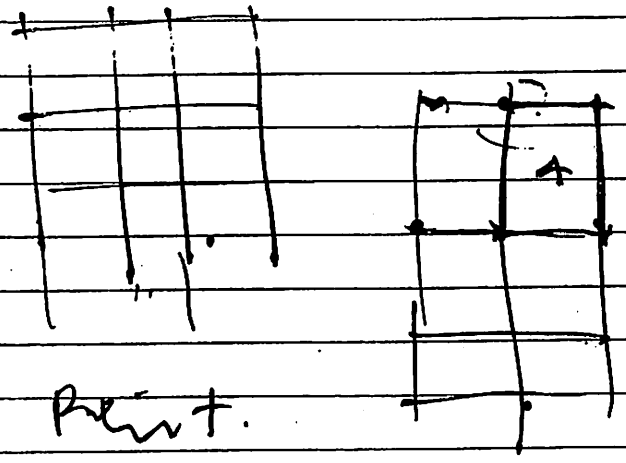
BIDANG _____

Nama : MADE

NIM : 11.21.070

Hari / tanggal : _____ / _____

can materi Skripsi meliputi :



Perbaiki Print.

12
9 05

ikan Skripsi harus diselesaikan **selambatnya 14 hari** terhitung sejak pelaksanaan Ujian anakan. **Bila melebihi** masa 14 hari, maka **tidak dapat diikutkan Yudisium**.

Akhir telah diperbaiki dan disetujui :

Malang, _____ 20
Dosen Penguji

(_____)

Malang, _____ 20
Dosen Penguji

(_____)

LEMBAR PERSEMBAHAN

OM SWASTYASTU

Sembah syukur kepada Ida Shang Hyang Widhi Wasa. Yang telah memberikanku kekuatan, membekaliku dengan ilmu serta kasih sayang.

Kupersembahkan karyaku ini kepada orang yang kusegani dan kusayangi.

Ibu dan Alm Ayah tercinta

Terima kasih Ibu dan Ayah yg telah memberikan kasih sayang, segala dukungan, dan cinta kasih. Semoga ini menjadi langkah awal untuk membuat Ibu bahagia walaupun Ibu telah ditinggal ayah (13 agustus 2015), ibu tetap berdiri tegak untuk memberi motivasi untukku. Terima Kasih Ibu.

Kakak yg sangat cerewet, Kakak Iparku dan Keponakanku.

Untuk kakakku Dita yang setiap ketemu pasti bertengkar. Kakak iparku Jumara yg selalu membelikan tiket pulang kampung. Keponakanku yg nakalnya bukan main. Terimakasih atas doa dan bantuan kalian selama ini, hanya karya kecil ini yang dapat aku persembahkan.

Keluarga Cemara dan Teman2 angkatan 2011

Untuk yg satu ini saya tidak bisa menyembutkan satu per satu , terima kasih atas bantuan, doa, nasehat, hiburan, traktiran, semangat dan candaan kalian, aku tak melupakan kalian. Walaupun aku sering menjadi olok2kan kalian. Dan hal yg paling aku ingat saat naik kereta api tanpa tiket. Terima kasih atas kekonyolannya.

Ukm Sanggar Blit'z

Ya disinilah tempat pelarian dari tugas kuliah. Dan disini saya belajar tentang kekeluargaan, organisasi, dan seni. Terima kasih kepada teman yg sudah membuat kegilaan dan keseruan. Dan terima kasih atas dukungannya kawan kawan semua.

Dosen pembing Tugas Akhir

Ibu Munasih dan Pak Agus Santosa selaku dosen pembimbing tugas akhir saya, terima kasih atas bantuannya selama ini, sudah dinasehati, sudah diajari, saya tidak akan lupa atas bantuan dan kesabaran dari bapak ibu.

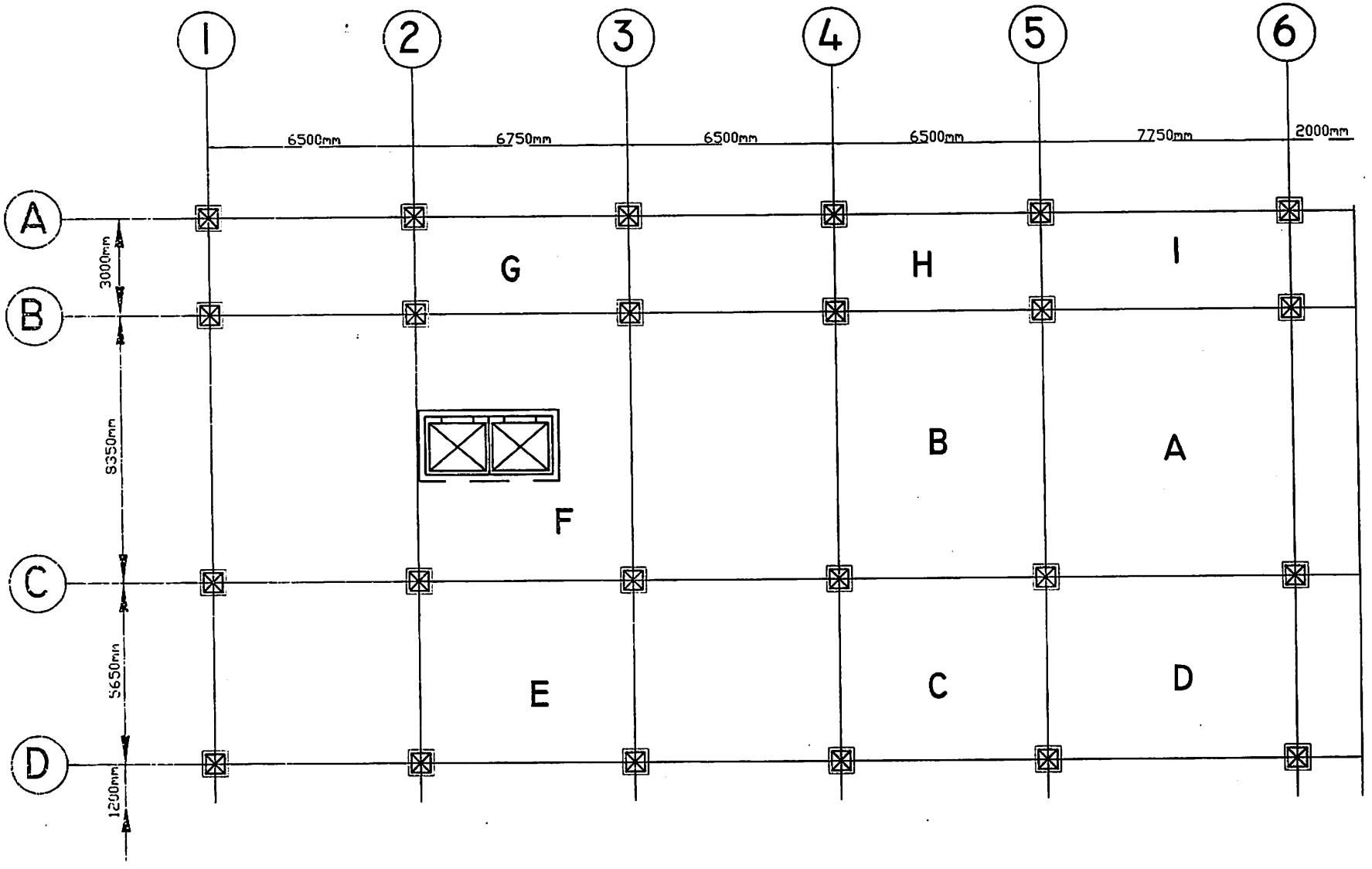
Dan saya tidak lupa terikasih kepada

Teman2 angkatan 2008, 2009, dan 2010. Terima kasih atas bantuannya

Dosen dan Staf Akademik

Terima kasih banyak atas semua bantuan kalian.

Om, Shanti, Shanti, Shanti, Om


1
2
3
4
5
6
6500mm
6750mm
6500mm
6500mm
7250mm
2000mm
A
B
C
D
3000mm
8350mm
5650mm
1200mm
G
H
I
F
B
A
E
C
D

ABLE: Element Forces - Area Shells								
Area	AreaElem	ShellType	Joint	M11	M22	M12	MMax	MMin
Text	Text	Text	Text	KN-mm/mm	KN-mm/mm	KN-mm/mm	KN-mm/mm	KN-mm/mm
	1	Shell-Thick	78	-137,9058	-34,5634	10,7571	-33,4555	-139,0137
	1	Shell-Thick	~1	-82,0723	-88,447	67,3166	-17,8676	-152,6517
	1	Shell-Thick	~2	0,7213	-29,7099	9,626	3,5105	-32,4992
	1	Shell-Thick	~3	-51,1786	23,4918	-46,9335	46,1288	-73,8157
	2	Shell-Thick	~3	-55,7116	-39,7132	-29,5938	-17,0566	-78,3682
	2	Shell-Thick	~2	0,4203	9,3253	-7,3014	13,4247	-3,6791
	2	Shell-Thick	~4	33,6671	33,0347	26,4759	59,8287	6,8732
	2	Shell-Thick	~5	-21,7626	-15,4821	4,1835	-13,3914	-23,8533
	3	Shell-Thick	~5	-16,2632	2,4983	35,6219	29,9539	-43,7188
	3	Shell-Thick	~4	26,3168	5,7998	-4,8882	27,4219	4,6947
	3	Shell-Thick	~6	-28,3199	-6,5271	-9,6506	-2,8679	-31,9791
	3	Shell-Thick	71	-71,2373	-9,6759	30,8595	3,1297	-84,0428
	4	Shell-Thick	~1	11,8383	-63,2391	28,682	21,5417	-72,9425
	4	Shell-Thick	~7	55,3813	-32,5108	-7,7931	56,0669	-33,1964
	4	Shell-Thick	~8	12,4533	-13,4993	11,2046	16,6213	-17,6673
	4	Shell-Thick	~2	-31,6097	-42,6019	47,6797	10,8896	-85,1013
	5	Shell-Thick	~2	-18,0288	8,453	26,5722	24,9006	-34,4764
	5	Shell-Thick	~8	6,8742	-24,5452	32,0011	26,8137	-44,4847
	5	Shell-Thick	~9	16,1299	-10,7819	-1,8494	16,2564	-10,9084
	5	Shell-Thick	~4	-7,8153	21,9207	-7,2783	23,6066	-9,5012
	6	Shell-Thick	~4	-11,1698	-1,5605	-8,8285	3,6861	-16,4163
	6	Shell-Thick	~9	18,524	7,8971	-0,1935	18,5275	7,8936
	6	Shell-Thick	~10	29,7812	8,4386	2,9582	30,1836	8,0362
	6	Shell-Thick	~6	0,1194	-0,9762	-5,6767	5,2747	-6,1315
	7	Shell-Thick	~7	22,1029	-35,6269	1,011	22,1206	-35,6446
	7	Shell-Thick	~11	39,836	-30,2563	5,6278	40,285	-30,7052
	7	Shell-Thick	~12	50,0346	-7,7133	7,2641	50,9343	-8,613
	7	Shell-Thick	~8	32,8634	-12,9569	2,6473	33,0158	-13,1093
	8	Shell-Thick	~8	33,5097	-18,0755	12,6284	36,4353	-21,0011
	8	Shell-Thick	~12	47,9685	-9,6933	-2,6115	48,0865	-9,8114
	8	Shell-Thick	~13	29,5404	-4,2164	2,1118	29,672	-4,348
	8	Shell-Thick	~9	14,8104	-12,1883	17,3517	23,2954	-20,6734
	9	Shell-Thick	~9	19,241	8,1671	8,5816	23,9168	3,4913
	9	Shell-Thick	~13	28,8244	-5,9987	10,7942	31,8988	-9,0732
	9	Shell-Thick	~14	31,3376	-7,3345	-3,5772	31,6657	-7,6626
	9	Shell-Thick	~10	21,8949	6,7348	-5,7897	23,8531	4,7766
	10	Shell-Thick	~11	50,7914	-27,1486	5,0606	51,1186	-27,4758
	10	Shell-Thick	~15	46,4451	-24,8788	-7,3822	47,2012	-25,6348
	10	Shell-Thick	~16	33,6981	-9,0118	-4,6808	34,2051	-9,5187
	10	Shell-Thick	~12	37,746	-11,0877	7,762	38,95	-12,2917
	11	Shell-Thick	~12	37,6148	-11,2962	1,7119	37,6746	-11,356
	11	Shell-Thick	~16	32,2514	-16,6932	1,3102	32,2864	-16,7283
	11	Shell-Thick	~17	33,3789	-8,1584	-2,5348	33,533	-8,3125
	11	Shell-Thick	~13	38,8436	-2,8237	-2,1332	38,9525	-2,9326
	12	Shell-Thick	~13	38,9924	-3,7558	1,2479	39,0288	-3,7922
	12	Shell-Thick	~17	34,8157	0,7018	-5,8846	35,8022	-0,2847
	12	Shell-Thick	~18	24,7453	-3,7222	-1,2053	24,7962	-3,7732
	12	Shell-Thick	~14	28,8881	-8,0338	5,9271	29,8163	-8,9619
	13	Shell-Thick	~15	40,6535	-27,3173	-1,2799	40,6776	-27,3414
	13	Shell-Thick	~19	11,9947	-43,7507	0,0011	11,9947	-43,7507
	13	Shell-Thick	~20	18,2495	-21,0985	-9,4212	20,3889	-23,2379
	13	Shell-Thick	~16	46,6582	-5,1395	-10,7022	48,7823	-7,2637
	14	Shell-Thick	~16	42,9159	-14,9327	-2,971	43,0681	-15,0849
	14	Shell-Thick	~20	21,4528	-14,0001	-17,1252	28,3739	-20,9211

	14	Shell-Thick	~21	4,357	-8,3277	-12,4275	11,967	-15,9378
	14	Shell-Thick	~17	25,6735	-9,327	1,7267	25,7585	-9,412
	15	Shell-Thick	~17	27,5587	-0,1019	-6,9414	29,2029	-1,7461
	15	Shell-Thick	~21	6,6659	3,4172	-3,7333	9,1129	0,9702
	15	Shell-Thick	~22	10,2227	0,1501	3,0437	11,071	-0,6982
	15	Shell-Thick	~18	31,0424	-3,1104	-0,1644	31,0432	-3,1112
	16	Shell-Thick	~19	32,0679	-43,7393	-5,2856	32,4347	-44,1061
	16	Shell-Thick	~23	-17,5813	-52,7975	-31,9524	1,2934	-71,6723
	16	Shell-Thick	~24	-47,0592	-28,3036	-30,7475	-5,5356	-69,8272
	16	Shell-Thick	~20	2,1765	-20,3098	-4,0808	2,8942	-21,0275
	17	Shell-Thick	~20	-1,7821	-19,8314	-23,5023	14,3687	-35,9822
	17	Shell-Thick	~24	-38,8824	-7,6911	-11,1637	-4,1073	-42,4662
	17	Shell-Thick	~25	-19,4786	7,2694	6,2037	8,6382	-20,8474
	17	Shell-Thick	~21	16,7222	-4,6703	-6,1349	18,3567	-6,3048
	18	Shell-Thick	~21	18,3635	6,6354	1,4322	18,5359	6,463
	18	Shell-Thick	~25	-21,3317	-5,0959	-1,4337	-4,9703	-21,4574
	18	Shell-Thick	~26	-26,4027	-12,151	-4,9876	-10,5789	-27,9748
	18	Shell-Thick	~22	13,2695	-0,1192	-2,1216	13,5976	-0,4473
	19	Shell-Thick	~23	-58,4458	-68,1927	-45,4493	-17,6094	-109,0291
	19	Shell-Thick	79	-130,5452	-51,1853	-12,8896	-49,1443	-132,5862
	19	Shell-Thick	~27	-75,8087	3,9157	14,9792	6,6371	-78,5302
	19	Shell-Thick	~24	-7,0136	-13,0721	-17,5806	7,7968	-27,8825
	20	Shell-Thick	~24	-13,5302	-5,5484	-2,5838	-4,785	-14,2936
	20	Shell-Thick	~27	-71,9892	-17,0932	-0,3332	-17,0911	-71,9912
	20	Shell-Thick	~28	-65,117	1,7012	-0,0047	1,7012	-65,117
	20	Shell-Thick	~25	-7,2	12,6528	-2,2553	12,9058	-7,4529
	21	Shell-Thick	~25	-11,2562	-1,6246	-2,2791	-1,1126	-11,7683
	21	Shell-Thick	~28	-67,1653	-14,544	0,1045	-14,5438	-67,1655
	21	Shell-Thick	72	-65,7451	-24,001	-1,8281	-23,9211	-65,825
	21	Shell-Thick	~26	-10,1452	-10,3556	-4,2116	-6,0375	-14,4633
	22	Shell-Thick	79	-121,8918	-49,4241	14,4044	-46,6659	-124,65
	22	Shell-Thick	~29	-50,8829	-66,0674	42,2363	-15,5619	-101,3884
	22	Shell-Thick	~30	-7,0874	-12,7113	15,8264	6,1749	-25,9736
	22	Shell-Thick	~27	-75,086	4,0297	-12,0055	5,8114	-76,8676
	23	Shell-Thick	~27	-71,712	-16,9743	0,378	-16,9717	-71,7146
	23	Shell-Thick	~30	-13,4133	-6,467	3,7369	-4,8385	-15,0418
	23	Shell-Thick	~31	-5,7752	11,7954	2,5199	12,1496	-6,1295
	23	Shell-Thick	~28	-63,5667	1,9478	-0,839	1,9585	-63,5775
	24	Shell-Thick	~28	-65,5172	-14,1285	-1,3738	-14,0918	-65,5539
	24	Shell-Thick	~31	-9,7885	-1,9473	2,9615	-0,9545	-10,7814
	24	Shell-Thick	~32	-6,3052	-10,3518	4,226	-3,6431	-13,0139
	24	Shell-Thick	72	-61,7129	-23,2805	-0,1093	-23,2802	-61,7133
	25	Shell-Thick	~29	-16,7862	-51,9033	28,9117	-0,5189	-68,1706
	25	Shell-Thick	~33	30,937	-41,8967	4,94	31,2705	-42,2302
	25	Shell-Thick	~34	5,8058	-18,1628	4,86	6,7537	-19,1107
	25	Shell-Thick	~30	-41,6119	-26,961	28,8316	-4,5388	-64,0341
	26	Shell-Thick	~30	-33,8921	-7,5458	11,5477	-3,2009	-38,237
	26	Shell-Thick	~34	1,6047	-19,9844	21,9684	15,2873	-33,667
	26	Shell-Thick	~35	16,9519	-5,8573	5,2528	18,1034	-7,0088
	26	Shell-Thick	~31	-17,6969	6,3941	-5,1679	7,4558	-18,7587
	27	Shell-Thick	~31	-19,2724	-5,1345	1,3024	-5,0155	-19,3914
	27	Shell-Thick	~35	18,9077	7,5732	-1,1439	19,022	7,4589
	27	Shell-Thick	~36	14,4025	0,4066	3,3615	15,168	-0,3589
	27	Shell-Thick	~32	-23,7682	-12,554	5,8079	-10,0883	-26,234
	28	Shell-Thick	~33	15,828	-40,9291	1,0206	15,8463	-40,9475
	28	Shell-Thick	~37	41,1338	-26,6145	-0,1231	41,134	-26,6147
	28	Shell-Thick	~38	43,7814	-5,6771	7,7197	44,9583	-6,854

	28	Shell-Thick	~34	18,7781	-19,5577	8,8634	20,7282	-21,5078
	29	Shell-Thick	~34	21,4412	-14,7331	14,4958	26,5332	-19,825
	29	Shell-Thick	~38	40,6229	-12,9785	2,0943	40,7046	-13,0602
	29	Shell-Thick	~39	26,279	-7,5423	0,2224	26,2805	-7,5438
	29	Shell-Thick	~35	7,1221	-9,1073	12,6238	14,0143	-15,9996
	30	Shell-Thick	~35	10,0808	5,1413	5,3511	13,5046	1,7175
	30	Shell-Thick	~39	27,4118	-1,3335	7,4502	29,228	-3,1498
	30	Shell-Thick	~40	29,0877	-5,6932	-1,0307	29,1182	-5,7237
	30	Shell-Thick	~36	11,846	0,5618	-3,1298	12,656	-0,2481
	31	Shell-Thick	~37	41,6929	-25,2347	3,8069	41,9088	-25,4505
	31	Shell-Thick	~41	42,1426	-25,1314	-4,1053	42,3922	-25,381
	31	Shell-Thick	~42	35,5899	-8,5722	-4,0945	35,9663	-8,9487
	31	Shell-Thick	~38	35,1616	-8,669	3,8176	35,4917	-8,999
	32	Shell-Thick	~38	34,2049	-13,8192	1,01	34,2261	-13,8404
	32	Shell-Thick	~42	34,5551	-13,3793	-1,283	34,5895	-13,4136
	32	Shell-Thick	~43	33,1263	-6,2652	-0,9716	33,1503	-6,2892
	32	Shell-Thick	~39	32,7695	-6,6872	1,3213	32,8137	-6,7314
	33	Shell-Thick	~39	34,0735	-0,2856	3,3461	34,3963	-0,6084
	33	Shell-Thick	~43	34,2345	-0,606	-2,9989	34,4907	-0,8622
	33	Shell-Thick	~44	25,1494	-6,5469	-3,3025	25,4898	-6,8873
	33	Shell-Thick	~40	24,9922	-6,2279	3,0424	25,2859	-6,5216
	34	Shell-Thick	~41	40,7117	-26,4917	-0,4534	40,7148	-26,4947
	34	Shell-Thick	~45	16,4102	-39,9135	-1,1855	16,4352	-39,9384
	34	Shell-Thick	~46	19,8123	-18,9129	-8,4609	21,5801	-20,6808
	34	Shell-Thick	~42	43,7977	-5,8566	-7,7287	44,9729	-7,0318
	35	Shell-Thick	~42	40,9398	-12,45	-1,8278	41,0023	-12,5125
	35	Shell-Thick	~46	22,2067	-14,6371	-14,3783	27,1536	-19,584
	35	Shell-Thick	~47	7,6357	-9,2678	-12,9559	14,6528	-16,285
	35	Shell-Thick	~43	26,3747	-7,2679	-0,4053	26,3796	-7,2728
	36	Shell-Thick	~43	27,4637	-1,6558	-7,7383	29,3924	-3,5845
	36	Shell-Thick	~47	10,6616	5,6945	-5,5739	14,2802	2,0759
	36	Shell-Thick	~48	12,5037	1,083	3,5681	13,5268	0,0599
	36	Shell-Thick	~44	29,2143	-6,0382	1,4037	29,2701	-6,094
	37	Shell-Thick	~45	32,2739	-40,4939	-4,4045	32,5395	-40,7595
	37	Shell-Thick	~49	-14,5823	-51,2785	-29,3965	1,7223	-67,583
	37	Shell-Thick	~50	-40,9623	-27,5783	-30,1371	-3,3992	-65,1415
	37	Shell-Thick	~46	5,6637	-17,9895	-5,1451	6,7345	-19,0602
	38	Shell-Thick	~46	1,6816	-19,9024	-22,7488	16,0685	-34,2893
	38	Shell-Thick	~50	-32,9922	-5,7256	-12,3458	-0,9663	-37,7514
	38	Shell-Thick	~51	-16,9144	7,6866	5,7079	8,9464	-18,1742
	38	Shell-Thick	~47	16,9013	-6,2544	-4,6951	17,8171	-7,1702
	39	Shell-Thick	~47	19,1104	8,0722	1,3557	19,2745	7,9082
	39	Shell-Thick	~51	-18,7583	-4,814	-0,4218	-4,8012	-18,7711
	39	Shell-Thick	~52	-22,4092	-12,1496	-5,133	-10,0225	-24,5363
	39	Shell-Thick	~48	15,4579	0,9859	-3,3554	16,198	0,2458
	40	Shell-Thick	~49	-53,5642	-66,0756	-43,4414	-15,9304	-103,7094
	40	Shell-Thick	80	-123,2572	-48,3972	-12,4566	-46,3788	-125,2756
	40	Shell-Thick	~53	-72,6878	4,0207	14,5476	6,6869	-75,3541
	40	Shell-Thick	~50	-6,0658	-13,5983	-16,4372	7,0311	-26,6952
	41	Shell-Thick	~50	-11,4985	-4,2818	-2,964	-3,2205	-12,5598
	41	Shell-Thick	~53	-69,5581	-16,8108	0,7622	-16,7998	-69,5691
	41	Shell-Thick	~54	-61,1231	1,3161	0,1803	1,3166	-61,1236
	41	Shell-Thick	~51	-3,5473	13,215	-3,546	13,9342	-4,2665
	42	Shell-Thick	~51	-7,5738	-1,2704	-2,2804	-0,5319	-8,3123
	42	Shell-Thick	~54	-62,8883	-13,1577	-0,9987	-13,1376	-62,9084
	42	Shell-Thick	73	-63,0874	-23,1908	-2,0646	-23,0842	-63,1939
	42	Shell-Thick	~52	-8,0457	-10,5836	-3,3464	-5,7358	-12,8935

	43	Shell-Thick	80	-115,5884	-46,9509	14,3162	-44,0846	-118,4547
	43	Shell-Thick	~55	-48,1304	-62,9969	41,2294	-13,6695	-97,4578
	43	Shell-Thick	~56	-4,5446	-11,2439	14,9992	7,4744	-23,2629
	43	Shell-Thick	~53	-68,9309	4,8596	-11,914	6,7355	-70,8068
	44	Shell-Thick	~53	-65,4281	-16,0397	0,8	-16,0268	-65,4411
	44	Shell-Thick	~56	-11,1416	-5,8154	2,5837	-4,7681	-12,189
	44	Shell-Thick	~57	-5,5827	11,3178	1,798	11,507	-5,7719
	44	Shell-Thick	~54	-59,4128	1,7131	0,0144	1,7131	-59,4128
	45	Shell-Thick	~54	-61,1178	-12,7631	-1,6053	-12,7099	-61,171
	45	Shell-Thick	~57	-9,5226	-2,4302	3,3199	-1,1187	-10,8341
	45	Shell-Thick	~58	-5,0767	-10,8335	3,7015	-3,2661	-12,6441
	45	Shell-Thick	73	-56,3289	-21,8795	-1,2237	-21,8361	-56,3723
	46	Shell-Thick	~55	-16,0622	-49,6192	28,7029	0,4065	-66,0879
	46	Shell-Thick	~59	28,9338	-41,7975	6,0933	29,4549	-42,3186
	46	Shell-Thick	~60	4,2703	-18,6171	4,6066	5,1627	-19,5095
	46	Shell-Thick	~56	-40,3797	-25,375	27,2162	-4,646	-61,1087
	47	Shell-Thick	~56	-32,8344	-7,3157	10,4788	-3,5643	-36,5859
	47	Shell-Thick	~60	0,2136	-19,233	21,1801	13,7957	-32,815
	47	Shell-Thick	~61	16,3698	-5,2942	4,7306	17,3577	-6,2822
	47	Shell-Thick	~57	-15,8003	6,4361	-5,9707	7,9378	-17,302
	48	Shell-Thick	~57	-17,4305	-5,3134	0,8143	-5,2589	-17,485
	48	Shell-Thick	~61	18,2304	7,6067	-1,9791	18,5871	7,2499
	48	Shell-Thick	~62	13,0995	0,1342	3,336	13,9075	-0,6738
	48	Shell-Thick	~58	-22,5519	-13,027	6,1294	-10,0273	-25,5516
	49	Shell-Thick	~59	14,5473	-40,8804	1,6347	14,5955	-40,9286
	49	Shell-Thick	~63	38,4771	-27,5782	-0,0022	38,4771	-27,5782
	49	Shell-Thick	~64	40,3522	-7,0046	7,5017	41,5121	-8,1645
	49	Shell-Thick	~60	16,7313	-19,9193	9,1386	18,8835	-22,0715
	50	Shell-Thick	~60	19,6024	-14,1552	14,1176	24,7281	-19,2809
	50	Shell-Thick	~64	37,388	-13,2342	2,5274	37,5139	-13,3601
	50	Shell-Thick	~65	23,4753	-7,8507	0,105	23,4756	-7,8511
	50	Shell-Thick	~61	5,7331	-8,6216	11,6952	12,2776	-15,1662
	51	Shell-Thick	~61	8,5427	5,0008	4,7684	11,8584	1,6851
	51	Shell-Thick	~65	24,7627	-0,9875	6,9919	26,5388	-2,7636
	51	Shell-Thick	~66	26,6707	-5,4881	-1,1842	26,7143	-5,5316
	51	Shell-Thick	~62	10,5443	0,2914	-3,4077	11,5736	-0,7379
	52	Shell-Thick	~63	39,0171	-26,2902	3,8577	39,2442	-26,5173
	52	Shell-Thick	~67	39,3407	-26,4447	-3,8738	39,568	-26,672
	52	Shell-Thick	~68	32,6289	-9,9331	-4,0634	33,0134	-10,3175
	52	Shell-Thick	~64	32,3319	-9,7886	3,6681	32,649	-10,1057
	53	Shell-Thick	~64	31,5219	-14,0133	1,1277	31,5498	-14,0412
	53	Shell-Thick	~68	31,8798	-13,504	-1,5178	31,9305	-13,5547
	53	Shell-Thick	~69	29,8554	-6,5439	-1,1306	29,8904	-6,579
	53	Shell-Thick	~65	29,4884	-7,0423	1,5148	29,5511	-7,105
	54	Shell-Thick	~65	30,8817	-0,0597	3,0732	31,184	-0,362
	54	Shell-Thick	~69	31,0804	-0,4348	-2,6917	31,3086	-0,663
	54	Shell-Thick	~70	22,4261	-6,4484	-3,0605	22,7469	-6,7692
	54	Shell-Thick	~66	22,2314	-6,0799	2,7044	22,4874	-6,336
	55	Shell-Thick	~67	38,1882	-27,7646	-0,5711	38,1932	-27,7695
	55	Shell-Thick	~71	15,0997	-40,069	-1,9542	15,1689	-40,1382
	55	Shell-Thick	~72	17,5981	-19,261	-8,736	19,5638	-21,2267
	55	Shell-Thick	~68	40,3528	-7,2988	-7,353	41,4616	-8,4077
	56	Shell-Thick	~68	37,6231	-12,7157	-2,2103	37,72	-12,8126
	56	Shell-Thick	~72	20,2421	-14,2723	-13,8947	25,1406	-19,1708
	56	Shell-Thick	~73	6,2141	-8,8263	-12,1041	12,9438	-15,5561
	56	Shell-Thick	~69	23,5872	-7,4372	-0,4197	23,5928	-7,4428
	57	Shell-Thick	~69	24,7255	-1,4303	-7,3729	26,6606	-3,3654

	57	Shell-Thick	~73	9,1549	5,5627	-5,1057	12,7712	1,9465
	57	Shell-Thick	~74	11,2276	0,9154	3,8554	12,5096	-0,3666
	57	Shell-Thick	~70	26,7001	-5,8691	1,5882	26,7773	-5,9463
	58	Shell-Thick	~71	30,0887	-40,7526	-5,4436	30,5046	-41,1684
	58	Shell-Thick	~75	-14,3438	-49,82	-28,8137	1,7541	-65,9178
	58	Shell-Thick	~76	-39,8113	-26,2087	-28,5281	-3,6824	-62,3377
	58	Shell-Thick	~72	4,3521	-18,2289	-5,1581	5,4745	-19,3513
	59	Shell-Thick	~72	0,3118	-19,408	-22,0155	14,5745	-33,6708
	59	Shell-Thick	~76	-31,8977	-5,6632	-11,4934	-1,3403	-36,2207
	59	Shell-Thick	~77	-15,1334	7,8476	6,4321	9,5254	-16,8112
	59	Shell-Thick	~73	16,1839	-5,6827	-4,09	16,9239	-6,4227
	60	Shell-Thick	~73	18,2059	8,0152	2,1334	18,6345	7,5866
	60	Shell-Thick	~77	-16,9931	-5,0392	0,1283	-5,0378	-16,9945
	60	Shell-Thick	~78	-21,0337	-12,4191	-5,3822	-9,8328	-23,6199
	60	Shell-Thick	~74	14,1619	0,8599	-3,3771	14,9701	0,0517
	61	Shell-Thick	~75	-50,7542	-63,899	-42,5156	-14,306	-100,3472
	61	Shell-Thick	81	-117,1156	-46,3213	-12,9048	-44,0423	-119,3946
	61	Shell-Thick	~79	-66,9536	5,3326	14,4494	8,1139	-69,7349
	61	Shell-Thick	~76	-3,7413	-12,1978	-15,1613	7,7703	-23,7094
	62	Shell-Thick	~76	-9,6722	-3,9912	-1,8516	-3,441	-10,2224
	62	Shell-Thick	~79	-63,7299	-16,4101	0,8249	-16,3957	-63,7443
	62	Shell-Thick	~80	-56,584	1,2449	-0,4026	1,2477	-56,5868
	62	Shell-Thick	~77	-2,9733	13,0526	-3,0791	13,6239	-3,5445
	63	Shell-Thick	~77	-7,1039	-1,8116	-2,5458	-0,7858	-8,1297
	63	Shell-Thick	~80	-58,051	-11,879	-0,8468	-11,8635	-58,0665
	63	Shell-Thick	74	-57,5793	-21,5801	-1,0804	-21,5477	-57,6117
	63	Shell-Thick	~78	-6,9234	-10,8468	-2,7794	-5,4831	-12,2871
	64	Shell-Thick	81	-111,4262	-45,2432	14,2373	-42,3104	-114,359
	64	Shell-Thick	~81	-46,4783	-62,2333	41,017	-12,5893	-96,1224
	64	Shell-Thick	~82	-3,2062	-11,2436	14,4059	7,731	-22,1809
	64	Shell-Thick	~79	-65,1137	5,7604	-12,3738	7,8586	-67,2119
	65	Shell-Thick	~79	-62,0016	-16,088	0,0287	-16,088	-62,0016
	65	Shell-Thick	~82	-9,4544	-5,0757	2,3046	-4,0863	-10,4438
	65	Shell-Thick	~83	-3,2779	11,9074	2,5389	12,3206	-3,6911
	65	Shell-Thick	~80	-55,3932	1,5067	0,2631	1,5079	-55,3944
	66	Shell-Thick	~80	-56,8631	-11,6142	-0,7096	-11,603	-56,8742
	66	Shell-Thick	~83	-7,2957	-2,4106	3,4158	-0,6539	-9,0524
	66	Shell-Thick	~84	-3,8759	-10,8233	3,1345	-2,6708	-12,0284
	66	Shell-Thick	74	-53,114	-20,7143	-0,9909	-20,684	-53,1443
	67	Shell-Thick	~81	-14,2419	-49,0506	28,0055	1,3267	-64,6192
	67	Shell-Thick	~85	28,5474	-41,0161	6,1676	29,09	-41,5587
	67	Shell-Thick	~86	4,9037	-17,8836	5,2632	6,0606	-19,0406
	67	Shell-Thick	~82	-37,6042	-24,8587	27,1011	-3,3912	-59,0717
	68	Shell-Thick	~82	-30,1651	-6,4747	10,9997	-2,1551	-34,4848
	68	Shell-Thick	~86	0,8271	-19,4555	21,1935	14,1807	-32,8091
	68	Shell-Thick	~87	16,2848	-5,7186	4,1674	17,0476	-6,4815
	68	Shell-Thick	~83	-13,829	7,054	-6,0264	8,6683	-15,4433
	69	Shell-Thick	~83	-15,587	-5,3072	0,2987	-5,2985	-15,5957
	69	Shell-Thick	~87	18,2928	7,8926	-2,0784	18,6927	7,4926
	69	Shell-Thick	~88	13,7364	0,5851	3,7982	14,7545	-0,433
	69	Shell-Thick	~84	-20,1371	-12,8372	6,1753	-9,3138	-23,6605
	70	Shell-Thick	~85	15,5976	-40,0306	2,5685	15,7159	-40,149
	70	Shell-Thick	~89	37,0299	-28,5168	0,5024	37,0337	-28,5206
	70	Shell-Thick	~90	38,364	-7,7882	6,8835	39,3688	-8,793
	70	Shell-Thick	~86	17,2598	-18,9879	8,9497	19,3491	-21,0771
	71	Shell-Thick	~86	19,7012	-14,5556	13,4456	24,3481	-19,2025
	71	Shell-Thick	~90	35,7481	-13,093	2,4065	35,8664	-13,2113

	71	Shell-Thick	~91	22,6157	-7,4887	0,7711	22,6354	-7,5084
	71	Shell-Thick	~87	6,5672	-8,7872	11,8102	12,9761	-15,1962
	72	Shell-Thick	~87	9,4843	5,5126	5,3109	13,1684	1,8284
	72	Shell-Thick	~91	23,7219	-1,6715	7,225	25,6337	-3,5832
	72	Shell-Thick	~92	25,1984	-6,312	-1,6707	25,2868	-6,4004
	72	Shell-Thick	~88	11,0629	0,6687	-3,5849	12,1794	-0,4477
	73	Shell-Thick	~89	37,3228	-27,5189	3,5322	37,5146	-27,7107
	73	Shell-Thick	~93	35,3022	-27,547	-3,0936	35,4541	-27,6989
	73	Shell-Thick	~94	30,2838	-9,9843	-2,7645	30,4727	-10,1732
	73	Shell-Thick	~90	32,2243	-9,9554	3,8613	32,5749	-10,306
	74	Shell-Thick	~90	31,2923	-13,6812	2,1548	31,3953	-13,7842
	74	Shell-Thick	~94	29,4046	-15,3142	-1,0705	29,4303	-15,3398
	74	Shell-Thick	~95	26,6425	-8,2029	-2,1803	26,7784	-8,3387
	74	Shell-Thick	~91	28,5488	-6,605	1,045	28,5798	-6,636
	75	Shell-Thick	~91	29,7355	-0,6986	2,2651	29,9031	-0,8662
	75	Shell-Thick	~95	28,304	0,1319	-3,3925	28,7068	-0,2709
	75	Shell-Thick	~96	19,7584	-6,0805	-2,4031	19,98	-6,3021
	75	Shell-Thick	~92	21,1811	-6,8857	3,2545	21,5535	-7,2581
	76	Shell-Thick	~93	37,3699	-28,5789	1,4884	37,4035	-28,6125
	76	Shell-Thick	~97	11,2931	-43,798	-1,2495	11,3215	-43,8264
	76	Shell-Thick	~98	12,2576	-21,7186	-10,0424	15,0039	-24,4648
	76	Shell-Thick	~94	38,0448	-6,9866	-7,3045	39,2	-8,1419
	77	Shell-Thick	~94	34,5368	-14,7617	-3,1641	34,739	-14,964
	77	Shell-Thick	~98	15,5173	-15,1849	-14,1712	21,0583	-20,7259
	77	Shell-Thick	~99	2,5505	-9,0511	-11,0927	9,2676	-15,7683
	77	Shell-Thick	~95	21,4715	-8,7631	-0,0857	21,4717	-8,7634
	78	Shell-Thick	~95	22,9936	-0,5735	-6,4683	24,6522	-2,2321
	78	Shell-Thick	~99	5,2636	3,9358	-4,676	9,3226	-0,1232
	78	Shell-Thick	~100	6,6127	-1,2566	2,4354	7,3054	-1,9493
	78	Shell-Thick	~96	24,2501	-5,5388	0,6431	24,264	-5,5527
	79	Shell-Thick	~97	22,9742	-45,6737	-7,8171	23,8531	-46,5526
	79	Shell-Thick	~101	-23,6904	-50,5785	-27,6267	-6,4102	-67,8587
	79	Shell-Thick	~102	-43,6973	-23,2998	-23,235	-8,1238	-58,8734
	79	Shell-Thick	~98	2,4476	-19,4687	-3,4253	2,9705	-19,9915
	80	Shell-Thick	~98	-2,0834	-20,0676	-18,9307	9,8823	-32,0333
	80	Shell-Thick	~102	-37,2231	-12,9849	-7,5882	-10,8053	-39,4028
	80	Shell-Thick	~103	-19,165	1,7746	4,924	2,8747	-20,2651
	80	Shell-Thick	~99	15,0969	-5,1793	-6,4184	16,9578	-7,0403
	81	Shell-Thick	~99	16,7998	7,0183	2,0664	17,2184	6,5996
	81	Shell-Thick	~103	-20,2499	-7,3332	-3,6284	-6,3838	-21,1994
	81	Shell-Thick	~104	-29,3961	-16,4714	-10,0032	-11,0247	-34,8428
	81	Shell-Thick	~100	7,6349	-1,8274	-4,3083	9,3026	-3,4951
	82	Shell-Thick	~101	-41,5874	-61,8045	-37,2751	-13,0744	-90,3174
	82	Shell-Thick	82	-112,3024	-49,7105	-19,6228	-44,0675	-117,9454
	82	Shell-Thick	~105	-77,4411	3,6736	3,822	3,8533	-77,6208
	82	Shell-Thick	~102	-9,5876	-8,8313	-13,8303	4,6261	-23,0449
	83	Shell-Thick	~102	-18,4357	-12,2949	-4,6288	-9,8108	-20,9198
	83	Shell-Thick	~105	-73,2285	-16,0405	-5,6366	-15,4903	-73,7788
	83	Shell-Thick	~106	-70,7089	2,3443	1,0842	2,3603	-70,725
	83	Shell-Thick	~103	-16,3585	5,4034	2,0921	5,6027	-16,5578
	84	Shell-Thick	~103	-19,8479	-5,73	-7,1271	-2,7578	-22,8202
	84	Shell-Thick	~106	-72,9636	-15,2425	10,4465	-13,4101	-74,796
	84	Shell-Thick	75	-51,2839	-22,2969	10,9594	-18,6198	-54,961
	84	Shell-Thick	~104	1,2691	-11,8612	-6,6142	4,0232	-14,6153
	85	Shell-Thick	82	-168,6197	-60,5045	7,8313	-59,9402	-169,184
	85	Shell-Thick	~107	-84,8894	-80,545	52,1713	-30,5008	-134,9337
	85	Shell-Thick	~108	-19,9853	-20,9934	21,0324	0,549	-41,5278

	85	Shell-Thick	~105	-99,9528	-1,2983	-23,3075	3,931	-105,1821
	86	Shell-Thick	~105	-95,5463	-20,2923	-4,6019	-20,0119	-95,8266
	86	Shell-Thick	~108	-24,0902	-0,4915	2,7299	-0,1798	-24,4019
	86	Shell-Thick	~109	-11,3347	18,9191	7,2359	20,5607	-12,9763
	86	Shell-Thick	~106	-82,245	-0,1747	-0,0959	-0,1746	-82,2451
	87	Shell-Thick	~106	-84,6598	-17,8845	8,7618	-16,754	-85,7904
	87	Shell-Thick	~109	-16,2006	0,2253	-1,6977	0,3989	-16,3742
	87	Shell-Thick	~110	-31,934	-12,9385	2,4557	-12,6262	-32,2463
	87	Shell-Thick	75	-100,2458	-31,7865	12,9152	-29,431	-102,6013
	88	Shell-Thick	~107	-26,6277	-60,9562	33,7651	-5,9146	-81,6693
	88	Shell-Thick	~111	34,9235	-41,8502	1,9653	34,9737	-41,9005
	88	Shell-Thick	~112	0,0786	-19,6883	7,1575	2,3981	-22,0078
	88	Shell-Thick	~108	-61,4153	-37,216	38,9573	-8,5226	-90,1087
	89	Shell-Thick	~108	-50,449	-2,5841	17,452	3,1033	-56,1364
	89	Shell-Thick	~112	-4,5239	-22,5009	28,3966	16,2728	-43,2976
	89	Shell-Thick	~113	11,3257	-8,2898	3,6148	11,9706	-8,9347
	89	Shell-Thick	~109	-33,5734	11,2922	-7,3298	12,4594	-34,7405
	90	Shell-Thick	~109	-36,263	-5,3936	-2,2092	-5,2363	-36,4203
	90	Shell-Thick	~113	14,4418	10,5282	-1,4065	14,8948	10,0751
	90	Shell-Thick	~114	14,1127	3,9438	3,7057	15,3198	2,7367
	90	Shell-Thick	~110	-36,6321	-12,2717	2,903	-11,9305	-36,9733
	91	Shell-Thick	~111	12,2398	-41,788	-0,1006	12,24	-41,7882
	91	Shell-Thick	~115	50,8142	-22,8972	-0,6816	50,8206	-22,9035
	91	Shell-Thick	~116	53,9224	-2,6804	8,7984	55,2585	-4,0165
	91	Shell-Thick	~112	15,8502	-21,1329	9,3793	18,0929	-23,3756
	92	Shell-Thick	~112	18,8479	-16,4776	15,5398	24,7108	-22,3406
	92	Shell-Thick	~116	50,5794	-9,0624	2,6881	50,7003	-9,1833
	92	Shell-Thick	~117	35,7523	-4,0498	3,4613	36,0511	-4,3486
	92	Shell-Thick	~113	3,8997	-11,1239	16,313	14,3473	-21,5715
	93	Shell-Thick	~113	7,6226	8,1222	8,6964	16,5724	-0,8276
	93	Shell-Thick	~117	35,8989	-3,9485	10,9883	38,7282	-6,7778
	93	Shell-Thick	~118	37,9215	-7,6005	-4,0852	38,2852	-7,9642
	93	Shell-Thick	~114	9,7499	4,1135	-6,3771	13,9037	-0,0404
	94	Shell-Thick	~115	47,9573	-21,4408	2,9917	48,0861	-21,5695
	94	Shell-Thick	~119	61,7861	-16,0502	-1,5939	61,8187	-16,0828
	94	Shell-Thick	~120	59,1125	-1,4266	0,5044	59,1167	-1,4308
	94	Shell-Thick	~116	45,1781	-6,4571	5,0901	45,6751	-6,9541
	95	Shell-Thick	~116	45,1886	-9,5436	4,674	45,5849	-9,9399
	95	Shell-Thick	~120	56,5743	-10,9783	0,8484	56,585	-10,9889
	95	Shell-Thick	~121	52,9624	-4,7794	-2,2812	53,0524	-4,8694
	95	Shell-Thick	~117	41,7764	-3,4419	1,5445	41,8291	-3,4946
	96	Shell-Thick	~117	41,7142	-3,5039	1,5925	41,7702	-3,5599
	96	Shell-Thick	~121	54,6315	3,3166	-2,3029	54,7347	3,2134
	96	Shell-Thick	~122	49,0983	-0,3529	1,3701	49,1362	-0,3908
	96	Shell-Thick	~118	36,1164	-7,2431	5,2655	36,7467	-7,8734
	97	Shell-Thick	~119	62,2162	-15,9928	0,4867	62,2193	-15,9958
	97	Shell-Thick	~123	53,5969	-20,2111	-5,3421	53,9815	-20,5957
	97	Shell-Thick	~124	49,2095	-5,4299	-7,2999	50,168	-6,3883
	97	Shell-Thick	~120	57,9789	-1,6247	-1,4711	58,0152	-1,661
	98	Shell-Thick	~120	55,2567	-11,3603	-2,813	55,3753	-11,4789
	98	Shell-Thick	~124	49,5422	-7,6419	-5,8846	50,1414	-8,2411
	98	Shell-Thick	~125	47,1599	-1,0295	-1,7353	47,2223	-1,0919
	98	Shell-Thick	~121	52,6736	-4,7186	1,3363	52,7047	-4,7497
	99	Shell-Thick	~121	53,7155	2,7812	1,5249	53,7611	2,7355
	99	Shell-Thick	~125	47,1857	-3,1911	-1,9542	47,2613	-3,2668
	99	Shell-Thick	~126	42,3086	-5,9281	-5,9282	43,0264	-6,646
	99	Shell-Thick	~122	48,8609	-0,0482	-2,4491	48,9832	-0,1705

	100	Shell-Thick	~123	52,2022	-22,5238	-2,8258	52,3089	-22,6305
	100	Shell-Thick	~127	19,5031	-37,3917	-1,5598	19,5458	-37,4344
	100	Shell-Thick	~128	25,5311	-16,1452	-8,5984	27,2354	-17,8495
	100	Shell-Thick	~124	57,7088	-1,6962	-9,8644	59,304	-3,2914
	101	Shell-Thick	~124	54,3127	-7,5494	-3,3463	54,4932	-7,7299
	101	Shell-Thick	~128	28,188	-13,9884	-15,1809	33,0838	-18,8843
	101	Shell-Thick	~129	14,7284	-7,4047	-16,0347	23,1447	-15,821
	101	Shell-Thick	~125	40,9894	-1,4019	-4,2001	41,4015	-1,8141
	102	Shell-Thick	~125	39,8415	-4,7294	-11,38	42,579	-7,4669
	102	Shell-Thick	~129	18,355	8,317	-8,7715	23,442	3,23
	102	Shell-Thick	~130	21,432	7,1491	6,0688	23,6624	4,9187
	102	Shell-Thick	~126	42,7887	-5,7626	3,4603	43,034	-6,008
	103	Shell-Thick	~127	47,9224	-36,1953	1,7301	47,9579	-36,2309
	103	Shell-Thick	~131	-9,8728	-64,1908	-33,1662	5,8356	-79,8991
	103	Shell-Thick	~132	-48,7459	-41,29	-46,6089	1,7398	-91,7757
	103	Shell-Thick	~128	9,1427	-14,9354	-11,7125	13,9001	-19,6929
	104	Shell-Thick	~128	4,1862	-20,3533	-32,4028	26,5645	-42,7316
	104	Shell-Thick	~132	-34,4098	11,0264	-25,6507	22,573	-45,9564
	104	Shell-Thick	~133	-22,6917	25,3584	7,785	26,5882	-23,9216
	104	Shell-Thick	~129	14,9657	-5,7927	1,0329	15,0169	-5,8439
	105	Shell-Thick	~129	16,3088	7,9127	-2,5816	17,0391	7,1824
	105	Shell-Thick	~133	-25,888	2,3873	11,3105	6,3549	-29,8556
	105	Shell-Thick	~134	-8,3083	4,0923	13,7946	13,016	-17,232
	105	Shell-Thick	~130	33,8334	9,6243	-0,0975	33,8338	9,624
	106	Shell-Thick	~131	-100,5714	-90,0774	-65,4256	-29,6887	-160,9601
	106	Shell-Thick	83	-173,4218	-45,0526	9,5309	-44,3488	-174,1256
	106	Shell-Thick	~135	-65,0756	21,0271	60,0061	51,828	-95,8765
	106	Shell-Thick	~132	3,3661	-23,1206	-14,9504	10,0952	-29,8497
	107	Shell-Thick	~132	2,1231	14,924	11,4994	21,6841	-4,6371
	107	Shell-Thick	~135	-69,8315	-47,0124	33,0935	-23,4168	-93,4271
	107	Shell-Thick	~136	-37,5623	-21,4148	-7,6785	-18,3466	-40,6306
	107	Shell-Thick	~133	33,4752	40,0008	-29,2727	66,1919	7,284
	108	Shell-Thick	~133	26,0486	12,7164	12,6036	33,6404	5,1246
	108	Shell-Thick	~136	-31,1016	1,04	-49,703	37,2058	-67,2674
	108	Shell-Thick	76	-112,1212	-16,3601	-49,7204	4,7859	-133,2672
	108	Shell-Thick	~134	-54,3374	-5,0553	12,5862	-2,027	-57,3658
	109	Shell-Thick	90	-70,6381	-196,3211	-2,2074	-70,5993	-196,3599
	109	Shell-Thick	~137	-10,8773	-112,38	-33,3565	-0,8968	-122,3605
	109	Shell-Thick	~138	-28,6371	-30,068	20,8482	-8,4921	-50,213
	109	Shell-Thick	~139	-88,644	-110,2741	51,9973	-46,3489	-152,5692
	110	Shell-Thick	~139	-66,3338	-35,9056	29,9164	-17,5569	-84,6825
	110	Shell-Thick	~138	-44,6697	-73,0489	42,4779	-14,0741	-103,6445
	110	Shell-Thick	~140	-17,9032	-5,4961	10,5126	0,5068	-23,9061
	110	Shell-Thick	~141	-38,148	31,6983	-2,049	31,7584	-38,208
	111	Shell-Thick	~141	-38,8655	4,9648	-0,2769	4,9665	-38,8672
	111	Shell-Thick	~140	-19,7806	8,2632	8,8415	10,818	-22,3353
	111	Shell-Thick	~142	-1,2079	51,9508	8,371	53,2379	-2,4949
	111	Shell-Thick	~143	-19,6254	48,981	-0,7474	48,9891	-19,6335
	112	Shell-Thick	~143	-17,4509	47,4144	2,2817	47,4946	-17,5311
	112	Shell-Thick	~142	-5,4728	43,0651	5,3596	43,6498	-6,0575
	112	Shell-Thick	~144	2,2598	65,5029	0,153	65,5032	2,2594
	112	Shell-Thick	~145	-9,3593	69,9144	-2,9249	70,0222	-9,4671
	113	Shell-Thick	~145	-9,809	63,5669	-2,157	63,6302	-9,8723
	113	Shell-Thick	~144	1,7554	67,0801	-0,593	67,0854	1,75
	113	Shell-Thick	~146	3,9502	69,6032	0,3791	69,6054	3,948
	113	Shell-Thick	~147	-7,5311	66,0014	-1,185	66,0205	-7,5501
	114	Shell-Thick	~147	-6,8946	72,5961	2,7511	72,6912	-6,9897

	114	Shell-Thick	~146	4,1853	67,3664	-3,4942	67,559	3,9927
	114	Shell-Thick	~148	-6,3732	48,3342	-9,2875	49,8679	-7,9069
	114	Shell-Thick	~149	-17,8364	53,5936	-3,0421	53,7229	-17,9657
	115	Shell-Thick	~149	-20,5889	51,3174	-3,929	51,5315	-20,803
	115	Shell-Thick	~148	-1,7836	59,7956	-8,4392	60,9312	-2,9192
	115	Shell-Thick	~150	-14,2203	21,8956	-4,5908	22,47	-14,7947
	115	Shell-Thick	~151	-33,4444	12,8262	-0,0806	12,8264	-33,4445
	116	Shell-Thick	~151	-31,1901	45,8969	6,1372	46,3825	-31,6757
	116	Shell-Thick	~150	-13,4564	3,9157	-10,6389	8,9641	-18,5047
	116	Shell-Thick	~152	-44,1663	-60,1225	-46,006	-5,4517	-98,8371
	116	Shell-Thick	~153	-63,3718	-17,9729	-29,2299	-3,6636	-77,6812
	117	Shell-Thick	~153	-91,8016	-124,9764	-67,118	-39,2517	-177,5263
	117	Shell-Thick	~152	-24,5568	2,7798	-8,7734	5,3532	-27,1303
	117	Shell-Thick	~154	25,3602	-67,2673	81,5903	72,8651	-114,7722
	117	Shell-Thick	83	-40,7226	-199,9174	23,2456	-37,3977	-203,2423
	118	Shell-Thick	~137	-25,2211	-107,1588	-14,7691	-22,6403	-109,7396
	118	Shell-Thick	91	-6,4577	-80,5909	-3,0692	-6,3308	-80,7178
	118	Shell-Thick	~155	21,3937	-6,0947	14,2801	27,4693	-12,1704
	118	Shell-Thick	~138	2,8842	-31,8537	2,5802	3,0748	-32,0443
	119	Shell-Thick	~138	-0,4471	-60,3827	22,2844	6,9302	-67,7601
	119	Shell-Thick	~155	10,8045	-47,1687	-5,3869	11,3008	-47,665
	119	Shell-Thick	~156	-9,958	2,5685	2,8341	3,1798	-10,5694
	119	Shell-Thick	~140	-21,3262	-10,0023	30,5054	15,3621	-46,6906
	120	Shell-Thick	~140	-15,8943	11,5677	15,3496	18,4316	-22,7582
	120	Shell-Thick	~156	-12,6371	-5,2372	17,9118	9,3528	-27,227
	120	Shell-Thick	~157	-2,5055	31,6629	4,4014	32,2208	-3,0633
	120	Shell-Thick	~142	-5,5726	48,5507	1,8392	48,6131	-5,635
	121	Shell-Thick	~142	-5,6707	44,1677	3,8806	44,4681	-5,9711
	121	Shell-Thick	~157	-1,1914	42,1259	2,3637	42,2545	-1,32
	121	Shell-Thick	~158	0,8635	61,1329	0,0901	61,1331	0,8634
	121	Shell-Thick	~144	-3,5098	63,2067	1,607	63,2454	-3,5484
	122	Shell-Thick	~144	-2,643	66,2343	1,9102	66,2872	-2,696
	122	Shell-Thick	~158	0,7075	61,6587	-0,2069	61,6594	0,7068
	122	Shell-Thick	~159	-1,3369	63,2787	-4,256	63,5579	-1,6161
	122	Shell-Thick	~146	-4,6685	67,8455	-2,1389	67,9086	-4,7315
	123	Shell-Thick	~146	-5,4581	64,5276	-5,8842	65,0189	-5,9493
	123	Shell-Thick	~159	-1,0462	64,1024	-0,5188	64,1066	-1,0503
	123	Shell-Thick	~160	2,0452	49,7443	-1,4803	49,7902	1,9993
	123	Shell-Thick	~148	-2,3568	50,0476	-6,8457	50,9271	-3,2363
	124	Shell-Thick	~148	-1,5254	57,4172	0,3828	57,4196	-1,5279
	124	Shell-Thick	~160	0,7333	39,972	-8,6854	41,8085	-1,1033
	124	Shell-Thick	~161	-16,0471	6,0962	-22,5066	20,107	-30,0579
	124	Shell-Thick	~150	-18,4768	23,4743	-13,4385	27,41	-22,4124
	125	Shell-Thick	~150	-24,3739	-1,6079	-37,0884	25,805	-51,7868
	125	Shell-Thick	~161	-11,6837	23,5098	1,0345	23,5402	-11,7141
	125	Shell-Thick	~162	21,8207	-20,1534	18,8222	29,0246	-27,3573
	125	Shell-Thick	~152	9,4346	-46,0621	-19,3008	15,487	-52,1145
	126	Shell-Thick	~152	16,7993	2,5173	22,3757	33,1458	-13,8293
	126	Shell-Thick	~162	36,549	41,7317	-22,7686	62,0559	16,2247
	126	Shell-Thick	84	-28,6591	-33,5549	4,7752	-25,7409	-36,4731
	126	Shell-Thick	~154	-48,7419	-73,554	49,9195	-9,7099	-112,586
	127	Shell-Thick	97	-25,786	-81,2684	3,8087	-25,5258	-81,5286
	127	Shell-Thick	~163	15,599	-27,6428	-24,9892	27,0224	-39,0662
	127	Shell-Thick	~164	-8,2495	14,1996	9,6952	17,807	-11,8569
	127	Shell-Thick	~165	-49,8753	-37,1577	38,493	-4,5018	-82,5312
	128	Shell-Thick	~165	-36,7458	8,5316	22,719	17,9657	-46,1799
	128	Shell-Thick	~164	-17,9139	-14,165	25,2258	9,2558	-41,3348

	128	Shell-Thick	~166	-10,1738	11,7835	4,4663	12,6573	-11,0475
	128	Shell-Thick	~167	-28,437	34,6006	1,9595	34,6614	-28,4979
	129	Shell-Thick	~167	-29,8614	20,0625	0,5893	20,0694	-29,8683
	129	Shell-Thick	~166	-9,148	24,3288	5,8797	25,3314	-10,1507
	129	Shell-Thick	~168	-2,4097	28,3506	5,9904	29,476	-3,5351
	129	Shell-Thick	~169	-23,036	24,0832	0,7	24,0936	-23,0464
	130	Shell-Thick	~169	-21,8745	34,6691	7,6821	35,6942	-22,8996
	130	Shell-Thick	~168	-1,8867	26,187	-0,9154	26,2168	-1,9165
	130	Shell-Thick	~170	-15,4824	5,3017	-10,7456	9,8584	-20,039
	130	Shell-Thick	~171	-36,05	13,7829	-2,1481	13,8753	-36,1425
	131	Shell-Thick	~171	-39,0473	16,4102	-8,6139	17,7173	-40,3545
	131	Shell-Thick	~170	-11,0303	9,9483	-4,3149	10,8011	-11,8831
	131	Shell-Thick	~172	-13,9762	-30,6567	-13,5503	-6,405	-38,2278
	131	Shell-Thick	~173	-42,7362	-24,9091	-17,8494	-13,8714	-53,7739
	132	Shell-Thick	~173	-47,7956	-15,6054	-21,402	-4,9218	-58,4792
	132	Shell-Thick	~172	-2,9251	-10,0025	-10,0002	4,144	-17,0716
	132	Shell-Thick	~137	-2,3207	-73,8401	-12,1452	-0,3146	-75,8463
	132	Shell-Thick	90	-48,4074	-80,9246	-23,547	-36,0512	-93,2807
	133	Shell-Thick	~163	-20,6033	-30,123	-12,5613	-11,9303	-38,796
	133	Shell-Thick	98	-7,5643	-14,5114	0,9049	-7,4483	-14,6274
	133	Shell-Thick	~174	15,8696	26,8395	10,944	33,5961	9,113
	133	Shell-Thick	~164	3,001	11,6894	-2,5222	12,3686	2,3219
	134	Shell-Thick	~164	0,186	-8,9008	11,4265	7,9392	-16,654
	134	Shell-Thick	~174	9,5542	1,778	-2,9696	10,5586	0,7737
	134	Shell-Thick	~175	-2,9704	19,9739	3,7805	20,5808	-3,5772
	134	Shell-Thick	~166	-12,49	9,676	18,1765	19,882	-22,6959
	135	Shell-Thick	~166	-9,3401	24,4191	11,3692	27,8909	-12,8118
	135	Shell-Thick	~175	-4,8704	11,4802	10,5561	16,6565	-10,0468
	135	Shell-Thick	~176	-5,2971	13,7183	-0,3322	13,7241	-5,3029
	135	Shell-Thick	~168	-9,8423	26,7353	0,4809	26,7416	-9,8486
	136	Shell-Thick	~168	-10,8921	22,9341	-2,8497	23,1725	-11,1305
	136	Shell-Thick	~176	-4,4211	16,6503	2,9821	17,0642	-4,835
	136	Shell-Thick	~177	-0,683	2,2224	-2,9274	4,0377	-2,4983
	136	Shell-Thick	~170	-7,2282	8,4044	-8,7592	12,3277	-11,1515
	137	Shell-Thick	~170	-8,556	6,8528	-7,2923	9,7567	-11,4599
	137	Shell-Thick	~177	0,7752	4,4255	-4,3945	7,3588	-2,1581
	137	Shell-Thick	~178	-2,5245	-28,8444	-7,6719	-0,4515	-30,9174
	137	Shell-Thick	~172	-12,0398	-26,679	-10,5698	-6,5027	-32,2162
	138	Shell-Thick	~172	-12,4913	-18,5289	-11,184	-3,9259	-27,0944
	138	Shell-Thick	~178	2,2068	-15,5957	-7,0743	4,6756	-18,0644
	138	Shell-Thick	91	-3,3205	-66,8961	-6,8639	-2,5879	-67,6287
	138	Shell-Thick	~137	-18,2709	-70,417	-10,9736	-16,0557	-72,6321
	139	Shell-Thick	89	-219,496	-248,132	-34,1303	-196,802	-270,8259
	139	Shell-Thick	~179	-112,1351	-165,8144	-8,1476	-110,9257	-167,0238
	139	Shell-Thick	~180	-62,3971	-62,7327	39,4034	-23,1612	-101,9686
	139	Shell-Thick	~181	-167,7547	-142,0558	13,4206	-136,3251	-173,4854
	140	Shell-Thick	~181	-134,3099	-42,9011	3,533	-42,7647	-134,4462
	140	Shell-Thick	~180	-75,3161	-59,2582	49,0073	-17,6265	-116,9478
	140	Shell-Thick	~182	-8,9601	17,7434	26,7222	34,2638	-25,4805
	140	Shell-Thick	~183	-65,3655	34,208	-18,7521	37,6224	-68,7799
	141	Shell-Thick	~183	-62,933	5,0142	-2,1163	5,08	-62,9989
	141	Shell-Thick	~182	-17,0652	18,5741	10,2511	21,3123	-19,8034
	141	Shell-Thick	~184	5,6936	64,2138	13,6957	67,2605	2,6469
	141	Shell-Thick	~185	-38,9578	51,0724	1,3284	51,092	-38,9774
	142	Shell-Thick	~185	-34,4317	51,8346	2,7869	51,9245	-34,5216
	142	Shell-Thick	~184	-1,8973	48,1281	12,267	50,9742	-4,7434
	142	Shell-Thick	~186	13,4284	71,9447	4,1487	72,2374	13,1357

	142	Shell-Thick	~187	-18,4402	75,731	-5,3314	76,0318	-18,7411
	143	Shell-Thick	~187	-19,0417	64,8479	-0,4293	64,8501	-19,0439
	143	Shell-Thick	~186	12,0854	73,1055	-0,7152	73,1139	12,077
	143	Shell-Thick	~188	11,9665	74,5794	0,9672	74,5943	11,9515
	143	Shell-Thick	~189	-19,0111	66,2241	1,2531	66,2425	-19,0296
	144	Shell-Thick	~189	-18,0839	76,1347	5,168	76,4173	-18,3665
	144	Shell-Thick	~188	12,4195	71,5702	-2,8427	71,7065	12,2832
	144	Shell-Thick	~190	-0,5246	51,0362	-11,4489	53,4641	-2,9524
	144	Shell-Thick	~191	-31,7276	55,7257	-3,4382	55,8606	-31,8626
	145	Shell-Thick	~191	-36,1734	52,0958	-1,242	52,1133	-36,1909
	145	Shell-Thick	~190	6,2995	66,5577	-13,692	69,523	3,3343
	145	Shell-Thick	~192	-16,0829	24,3347	-8,7313	26,1402	-17,8885
	145	Shell-Thick	~193	-59,3937	9,2406	3,7187	9,4415	-59,5945
	146	Shell-Thick	~193	-60,7057	39,4729	19,2647	43,0498	-64,2827
	146	Shell-Thick	~192	-9,9015	18,4493	-24,0348	32,1775	-23,6297
	146	Shell-Thick	~194	-72,9075	-54,3796	-49,1866	-13,5922	-113,6949
	146	Shell-Thick	~195	-126,2731	-33,1549	-5,8872	-32,7842	-126,6438
	147	Shell-Thick	~195	-160,9967	-145,8743	-18,2414	-133,6891	-173,1819
	147	Shell-Thick	~194	-60,8045	-54,7635	-37,2524	-20,4093	-95,1587
	147	Shell-Thick	~107	-101,6841	-151,4335	20,757	-94,1612	-158,9564
	147	Shell-Thick	82	-203,0933	-245,9576	39,7681	-179,3499	-269,7011
	148	Shell-Thick	~179	-38,1218	-136,1803	-6,7565	-37,6584	-136,6437
	148	Shell-Thick	~196	34,2938	-64,3395	-18,3306	37,5902	-67,636
	148	Shell-Thick	~197	33,3257	-4,035	26,2752	46,8842	-17,5934
	148	Shell-Thick	~180	-39,0944	-72,9036	37,8493	-14,5462	-97,4518
	149	Shell-Thick	~180	-25,1267	-40,8795	41,5676	9,3042	-75,3103
	149	Shell-Thick	~197	18,2849	-41,4252	22,3124	25,7014	-48,8417
	149	Shell-Thick	~198	4,5681	2,1529	14,6724	18,0825	-11,3615
	149	Shell-Thick	~182	-38,1042	3,5737	33,9276	22,5511	-57,0816
	150	Shell-Thick	~182	-29,9792	21,161	18,6	27,2103	-36,0286
	150	Shell-Thick	~198	1,7056	10,8782	29,9371	36,5783	-23,9944
	150	Shell-Thick	~199	21,2962	45,4789	16,6589	53,972	12,8031
	150	Shell-Thick	~184	-9,6519	55,975	5,3218	56,4038	-10,0807
	151	Shell-Thick	~184	-8,3298	49,2483	10,9523	51,2613	-10,3427
	151	Shell-Thick	~199	19,0908	47,7895	11,0374	51,5434	15,3369
	151	Shell-Thick	~200	22,2972	64,4283	5,5297	65,142	21,5835
	151	Shell-Thick	~186	-4,693	65,9137	5,4446	66,3311	-5,1103
	152	Shell-Thick	~186	-2,8963	70,3214	5,3263	70,7069	-3,2818
	152	Shell-Thick	~200	20,9056	62,0458	5,6964	62,8199	20,1314
	152	Shell-Thick	~201	21,5836	63,1509	-4,7395	63,6845	21,05
	152	Shell-Thick	~188	-2,2634	71,5211	-5,1096	71,8733	-2,6156
	153	Shell-Thick	~188	-3,9088	66,3545	-4,7042	66,6681	-4,2224
	153	Shell-Thick	~201	22,6722	65,5338	-5,1706	66,1487	22,0573
	153	Shell-Thick	~202	19,2881	51,0512	-9,9636	53,9179	16,4214
	153	Shell-Thick	~190	-7,4316	51,6048	-9,4972	53,095	-8,9218
	154	Shell-Thick	~190	-8,2561	59,0871	-4,3216	59,3633	-8,5323
	154	Shell-Thick	~202	20,9306	47,6587	-15,0534	54,4243	14,165
	154	Shell-Thick	~203	2,5255	15,1785	-28,8897	38,4264	-20,7223
	154	Shell-Thick	~192	-27,4871	26,6133	-18,1579	32,1426	-33,0164
	155	Shell-Thick	~192	-35,7771	5,8244	-34,1316	24,9941	-54,9468
	155	Shell-Thick	~203	5,1511	7,6449	-13,0678	19,5252	-6,7292
	155	Shell-Thick	~204	21,2366	-33,3809	-17,7008	26,4715	-38,6157
	155	Shell-Thick	~194	-20,0481	-36,358	-38,7646	11,41	-67,8161
	156	Shell-Thick	~194	-32,2979	-62,7308	-31,2784	-12,7311	-82,2977
	156	Shell-Thick	~204	36,3697	7,4082	-25,3311	51,0669	-7,289
	156	Shell-Thick	~111	31,0989	-52,1689	20,7508	35,9836	-57,0535
	156	Shell-Thick	~107	-37,668	-124,9616	14,8035	-35,2259	-127,4037

	157	Shell-Thick	~196	14,784	-59,8733	-0,4159	14,7864	-59,8756
	157	Shell-Thick	~205	53,5131	-40,4248	-1,4811	53,5365	-40,4482
	157	Shell-Thick	~206	60,963	3,9994	7,5392	61,9439	3,0184
	157	Shell-Thick	~197	22,8079	-14,5067	8,6043	24,6964	-16,3952
	158	Shell-Thick	~197	22,9316	-35,5204	12,238	25,3904	-37,9792
	158	Shell-Thick	~206	53,1531	-13,4178	3,9707	53,3891	-13,6538
	158	Shell-Thick	~207	50,7217	21,4494	16,3884	58,0582	14,1129
	158	Shell-Thick	~198	20,4786	0,3594	24,6557	37,0479	-16,2099
	159	Shell-Thick	~198	26,568	18,6051	27,3845	50,259	-5,0859
	159	Shell-Thick	~207	46,4567	12,3262	13,5475	51,1804	7,6025
	159	Shell-Thick	~208	34,9437	35,1281	5,3419	40,3786	29,6933
	159	Shell-Thick	~199	15,4016	41,5455	19,1789	51,6836	5,2636
	160	Shell-Thick	~199	18,234	49,0325	12,4844	53,4573	13,8091
	160	Shell-Thick	~208	34,9538	41,8536	12,0569	50,9444	25,863
	160	Shell-Thick	~209	37,1183	55,3163	3,61	56,0063	36,4283
	160	Shell-Thick	~200	20,4926	62,6531	4,0375	63,0362	20,1095
	161	Shell-Thick	~200	20,872	62,1447	3,9828	62,5255	20,4912
	161	Shell-Thick	~209	36,879	56,5251	3,6315	57,1749	36,2292
	161	Shell-Thick	~210	36,568	57,3751	-3,3408	57,8984	36,0448
	161	Shell-Thick	~201	20,689	62,8664	-2,9894	63,0772	20,4782
	162	Shell-Thick	~201	20,546	63,9314	-3,3277	64,1852	20,2922
	162	Shell-Thick	~210	36,7573	56,5415	-2,9581	56,9743	36,3245
	162	Shell-Thick	~211	34,9263	44,6391	-11,4707	52,2391	27,3263
	162	Shell-Thick	~202	18,4829	52,0673	-11,8403	55,8219	14,7283
	163	Shell-Thick	~202	15,7099	44,1471	-18,3971	53,1798	6,6772
	163	Shell-Thick	~211	34,9835	38,98	-4,973	42,3412	31,6223
	163	Shell-Thick	~212	46,1718	17,7425	-12,0106	50,5666	13,3478
	163	Shell-Thick	~203	26,8233	22,5055	-25,4347	50,1906	-0,8618
	164	Shell-Thick	~203	21,2898	6,2512	-21,8441	36,8725	-9,3315
	164	Shell-Thick	~212	50,484	27,8903	-15,627	58,4698	19,9045
	164	Shell-Thick	~213	50,7993	-6,3001	-2,7119	50,9278	-6,4287
	164	Shell-Thick	~204	21,4634	-28,714	-8,929	23,005	-30,2556
	165	Shell-Thick	~204	22,474	-3,1828	-5,1037	23,452	-4,1607
	165	Shell-Thick	~213	58,2106	10,2785	-6,5435	59,0879	9,4013
	165	Shell-Thick	~115	47,8526	-33,6713	-1,0864	47,867	-33,6858
	165	Shell-Thick	~111	11,7593	-48,2249	0,3534	11,7614	-48,227
	166	Shell-Thick	~205	48,5197	-37,5067	-0,8819	48,5287	-37,5157
	166	Shell-Thick	~214	63,4747	-24,3422	-2,4034	63,5404	-24,4079
	166	Shell-Thick	~215	68,9908	-10,9449	-0,5537	69,4805	-10,4552
	166	Shell-Thick	~206	53,7648	-1,3571	6,8751	54,6094	-2,2017
	167	Shell-Thick	~206	53,3226	-10,9409	11,2207	55,2254	-12,8437
	167	Shell-Thick	~215	63,0272	-11,5007	0,8739	63,0374	-11,5109
	167	Shell-Thick	~216	56,8192	17,8016	-1,0881	56,8496	17,7713
	167	Shell-Thick	~207	47,4398	18,35	9,2587	50,1366	15,6532
	168	Shell-Thick	~207	47,5168	13,9109	8,1965	49,4094	12,0183
	168	Shell-Thick	~216	56,0629	18,8445	0,0489	56,063	18,8444
	168	Shell-Thick	~217	50,9817	39,8093	2,4737	51,5049	39,2861
	168	Shell-Thick	~208	42,3073	35,2282	10,6213	49,9633	27,5722
	169	Shell-Thick	~208	44,5796	44,3708	10,4019	54,8776	34,0728
	169	Shell-Thick	~217	50,3865	39,0523	2,6221	50,9637	38,475
	169	Shell-Thick	~218	43,4639	49,6653	-2,4862	50,5389	42,5903
	169	Shell-Thick	~209	37,8308	54,8668	5,2936	56,3777	36,3199
	170	Shell-Thick	~209	38,3791	56,8596	1,5309	56,9856	38,2531
	170	Shell-Thick	~218	44,2961	54,5746	1,3177	54,7408	44,1298
	170	Shell-Thick	~219	44,2463	55,2934	-1,4938	55,4919	44,0479
	170	Shell-Thick	~210	38,245	57,676	-1,2805	57,7601	38,161
	171	Shell-Thick	~210	37,8229	56,2361	-4,8201	57,4216	36,6375

	171	Shell-Thick	~219	43,5949	51,3662	2,0076	51,8542	43,107
	171	Shell-Thick	~220	49,5713	42,2242	-2,7331	50,4765	41,319
	171	Shell-Thick	~211	43,8632	46,9449	-9,5607	55,0881	35,7199
	172	Shell-Thick	~211	41,8601	39,0682	-9,7117	50,2757	30,6526
	172	Shell-Thick	~220	50,2995	43,7269	-2,5716	51,1861	42,8403
	172	Shell-Thick	~221	54,5414	23,8088	-0,1447	54,5421	23,8081
	172	Shell-Thick	~212	46,0523	19,0058	-7,2848	47,8896	17,1685
	173	Shell-Thick	~212	46,2771	24,7385	-8,05	48,9532	22,0623
	173	Shell-Thick	~221	55,4212	23,5991	0,615	55,4331	23,5872
	173	Shell-Thick	~222	59,7018	-4,9581	-1,6631	59,7446	-5,0009
	173	Shell-Thick	~213	50,4689	-4,0558	-10,3281	52,3597	-5,9466
	174	Shell-Thick	~213	50,9312	5,1657	-7,1607	52,0255	4,0715
	174	Shell-Thick	~222	65,294	16,0932	-4,8813	65,7737	15,6136
	174	Shell-Thick	~119	60,8596	-18,7246	1,8034	60,9004	-18,7654
	174	Shell-Thick	~115	46,5835	-30,2682	-0,476	46,5865	-30,2711
	175	Shell-Thick	~214	65,2832	-23,5654	5,2231	65,5892	-23,8714
	175	Shell-Thick	~223	54,6092	-35,2288	-0,4896	54,6119	-35,2315
	175	Shell-Thick	~224	54,608	-1,0828	-7,7803	55,6746	-2,1493
	175	Shell-Thick	~215	65,6388	9,8594	-2,0676	65,7153	9,7829
	176	Shell-Thick	~215	60,4819	-11,7337	-1,5039	60,5132	-11,765
	176	Shell-Thick	~224	53,751	-9,5595	-8,1969	54,795	-10,6036
	176	Shell-Thick	~225	52,1192	19,865	-5,486	53,0267	18,9575
	176	Shell-Thick	~216	58,508	17,8633	1,207	58,5438	17,8275
	177	Shell-Thick	~216	58,2177	19,4141	2,9905	58,4469	19,185
	177	Shell-Thick	~225	51,4795	13,6645	-7,3594	52,8612	12,2828
	177	Shell-Thick	~226	43,5544	34,1269	-10,737	50,5668	27,1144
	177	Shell-Thick	~217	50,4563	39,5656	-0,3872	50,47	39,5519
	178	Shell-Thick	~217	50,0924	39,0478	-2,2996	50,5521	38,5882
	178	Shell-Thick	~226	45,8173	44,1403	-8,7513	53,7702	36,1874
	178	Shell-Thick	~227	40,6325	54,8166	-4,0769	55,9049	39,5442
	178	Shell-Thick	~218	44,7358	49,8652	2,3749	50,7959	43,8051
	179	Shell-Thick	~218	45,5885	54,805	-0,6758	54,8543	45,5392
	179	Shell-Thick	~227	40,8654	55,3053	-1,0746	55,3848	40,7859
	179	Shell-Thick	~228	40,5148	56,1774	0,1396	56,1786	40,5136
	179	Shell-Thick	~219	45,3433	55,5408	0,5384	55,5692	45,3149
	180	Shell-Thick	~219	44,5583	51,4601	-2,5697	52,3117	43,7067
	180	Shell-Thick	~228	40,4847	56,1832	3,2804	56,8411	39,8269
	180	Shell-Thick	~229	45,389	46,9583	7,6716	53,8853	38,462
	180	Shell-Thick	~220	49,4321	42,2952	1,8216	49,8701	41,8571
	181	Shell-Thick	~220	49,8288	43,4493	0,2584	49,8392	43,4388
	181	Shell-Thick	~229	43,4589	38,1372	9,2254	50,3995	31,1966
	181	Shell-Thick	~230	49,9236	19,0089	5,9925	51,0445	17,888
	181	Shell-Thick	~221	56,3487	24,3537	-2,9745	56,6229	24,0795
	182	Shell-Thick	~221	56,7062	23,5816	-1,6884	56,7921	23,4957
	182	Shell-Thick	~230	50,6705	25,3032	4,7003	51,5134	24,4603
	182	Shell-Thick	~231	52,2503	-3,2614	7,029	53,1265	-4,1376
	182	Shell-Thick	~222	58,4189	-4,9402	0,6402	58,4254	-4,9467
	183	Shell-Thick	~222	63,2129	15,2603	1,5319	63,2618	15,2114
	183	Shell-Thick	~231	53,2795	5,6543	6,1939	54,0719	4,8619
	183	Shell-Thick	~123	51,9899	-28,1294	-0,06	51,99	-28,1295
	183	Shell-Thick	~119	61,8147	-18,1169	-4,722	62,0927	-18,3949
	184	Shell-Thick	~223	52,027	-38,6395	-0,4888	52,0297	-38,6421
	184	Shell-Thick	~232	18,0677	-54,8976	3,5655	18,2415	-55,0714
	184	Shell-Thick	~233	31,5949	-11,8336	-3,8298	31,9301	-12,1688
	184	Shell-Thick	~224	64,9006	3,8699	-7,8841	65,9026	2,8679
	185	Shell-Thick	~224	58,4667	-10,5209	0,0118	58,4667	-10,5209
	185	Shell-Thick	~233	30,8082	-33,5455	-11,8414	32,9179	-35,6552

	185	Shell-Thick	~234	23,6235	-0,4014	-25,4014	39,7096	-16,4875
	185	Shell-Thick	~225	51,436	21,6329	-13,5482	56,6742	16,3947
	186	Shell-Thick	~225	47,4937	11,8387	-13,9826	52,3231	7,0094
	186	Shell-Thick	~234	29,8095	20,6113	-24,8245	50,4573	-0,0365
	186	Shell-Thick	~235	22,0304	43,0661	-15,0452	50,9053	14,1911
	186	Shell-Thick	~226	39,3155	34,3077	-4,2034	41,7042	31,919
	187	Shell-Thick	~226	39,7819	42,4278	-9,1657	50,3655	31,8442
	187	Shell-Thick	~235	23,793	46,0911	-10,1283	50,0047	19,8794
	187	Shell-Thick	~236	25,3266	59,3017	-4,5867	59,91	24,7183
	187	Shell-Thick	~227	41,2715	55,4498	-3,6242	56,3224	40,3988
	188	Shell-Thick	~227	40,7814	55,2069	-3,8324	56,1618	39,8265
	188	Shell-Thick	~236	26,049	60,7063	-4,3429	61,2423	25,5131
	188	Shell-Thick	~237	25,7092	61,6288	2,346	61,7814	25,5566
	188	Shell-Thick	~228	40,3346	56,223	2,8565	56,7209	39,8367
	189	Shell-Thick	~228	40,6542	56,5611	2,3148	56,8911	40,3242
	189	Shell-Thick	~237	25,4166	61,4253	2,8431	61,6484	25,1935
	189	Shell-Thick	~238	23,6796	50,3241	9,2073	53,1962	20,8075
	189	Shell-Thick	~229	39,1557	45,3676	8,679	51,4796	33,0436
	190	Shell-Thick	~229	38,6312	38,0396	3,2573	41,6061	35,0647
	190	Shell-Thick	~238	21,8087	45,6752	14,6687	52,6516	14,8323
	190	Shell-Thick	~239	30,7692	25,1427	23,3741	51,4987	-4,4132
	190	Shell-Thick	~230	47,7472	17,7057	11,9627	51,9288	13,5242
	191	Shell-Thick	~230	51,4447	27,2193	12,6008	56,8105	21,8535
	191	Shell-Thick	~239	25,0093	5,317	22,7855	39,985	-9,6587
	191	Shell-Thick	~240	30,359	-26,6761	9,2555	31,8234	-28,1405
	191	Shell-Thick	~231	56,8714	-4,0984	-0,9292	56,8856	-4,1126
	192	Shell-Thick	~231	63,1071	10,324	6,2651	63,8406	9,5905
	192	Shell-Thick	~240	31,6162	-3,6338	2,0324	31,733	-3,7506
	192	Shell-Thick	~127	18,1717	-45,9057	-4,3486	18,4655	-46,1995
	192	Shell-Thick	~123	50,0929	-31,2131	-0,1159	50,093	-31,2132
	193	Shell-Thick	~232	43,4503	-56,8667	22,1838	48,137	-61,5534
	193	Shell-Thick	~241	-23,686	-127,2961	2,7308	-23,6141	-127,368
	193	Shell-Thick	~242	-35,5203	-72,247	-41,5924	-8,4178	-99,3494
	193	Shell-Thick	~233	31,9617	-4,7147	-22,1393	42,3714	-15,1243
	194	Shell-Thick	~233	18,4641	-40,2227	-25,291	27,8592	-49,6178
	194	Shell-Thick	~242	-21,0187	-31,7194	-38,1114	12,116	-64,8541
	194	Shell-Thick	~243	-26,9449	10,3725	-24,926	22,8498	-39,4222
	194	Shell-Thick	~234	11,6289	1,4081	-12,1057	19,6587	-6,6216
	195	Shell-Thick	~234	10,0872	14,2602	-23,9411	36,2056	-11,8581
	195	Shell-Thick	~243	-21,3141	17,9658	-13,0961	21,9317	-25,28
	195	Shell-Thick	~244	-2,0247	50,7955	-5,0787	51,2794	-2,5086
	195	Shell-Thick	~235	28,7815	46,8229	-15,9237	56,1035	19,5009
	196	Shell-Thick	~235	26,0844	45,2639	-10,3687	49,7976	21,5507
	196	Shell-Thick	~244	-0,2937	47,524	-10,6208	49,7768	-2,5466
	196	Shell-Thick	~245	2,8242	63,5257	-4,6545	63,8805	2,4693
	196	Shell-Thick	~236	28,7772	61,2773	-4,4024	61,8631	28,1914
	197	Shell-Thick	~236	27,8411	60,9286	-4,7459	61,5959	27,1739
	197	Shell-Thick	~245	4,0962	65,5543	-4,3676	65,8631	3,7874
	197	Shell-Thick	~246	4,79	67,1037	3,1644	67,264	4,6297
	197	Shell-Thick	~237	28,6089	62,3449	2,7861	62,5734	28,3803
	198	Shell-Thick	~237	29,3293	63,2157	3,4586	63,5651	28,9799
	198	Shell-Thick	~246	3,7372	64,5713	2,5103	64,6747	3,6338
	198	Shell-Thick	~247	-0,1613	50,8961	7,6178	52,0084	-1,2737
	198	Shell-Thick	~238	25,6216	49,7047	8,566	52,4407	22,8856
	199	Shell-Thick	~238	27,5012	48,8745	13,472	55,3837	20,9919
	199	Shell-Thick	~247	-0,9676	57,0929	2,6391	57,2127	-1,0873
	199	Shell-Thick	~248	-19,8045	27,1123	13,8241	30,8827	-23,5748

	199	Shell-Thick	~239	9,4512	18,8184	24,6571	39,2327	-10,9632
	200	Shell-Thick	~239	10,6082	6,337	10,8106	19,4921	-2,5469
	200	Shell-Thick	~248	-26,4047	12,378	27,7703	26,8572	-40,8839
	200	Shell-Thick	~249	-14,9374	-26,8117	38,2385	17,8221	-59,5713
	200	Shell-Thick	~240	22,6305	-32,122	21,2788	29,9277	-39,4192
	201	Shell-Thick	~240	35,748	3,8181	21,4699	46,5382	-6,9721
	201	Shell-Thick	~249	-28,4473	-64,7135	38,263	-4,2381	-88,9226
	201	Shell-Thick	~131	-19,5223	-118,2966	-7,2086	-18,999	-118,82
	201	Shell-Thick	~127	44,5382	-47,258	-24,0017	50,435	-53,1548
	202	Shell-Thick	~241	-120,6429	-159,3533	-2,2216	-120,5158	-159,4804
	202	Shell-Thick	90	-219,0719	-223,213	42,5796	-178,5126	-263,7724
	202	Shell-Thick	~139	-146,8578	-124,7117	7,8228	-122,2272	-149,3424
	202	Shell-Thick	~242	-50,9031	-62,6576	-36,9784	-19,3378	-94,2229
	203	Shell-Thick	~242	-59,9265	-46,9493	-37,254	-15,6231	-91,2527
	203	Shell-Thick	~139	-118,6181	-44,3385	8,2025	-43,4435	-119,5131
	203	Shell-Thick	~141	-50,9991	27,1042	19,5324	31,7165	-55,6115
	203	Shell-Thick	~243	5,4342	24,2966	-25,9241	42,4518	-12,721
	204	Shell-Thick	~243	-3,4763	16,8794	-7,5543	19,3765	-5,9735
	204	Shell-Thick	~141	-48,188	4,0248	1,0476	4,0458	-48,209
	204	Shell-Thick	~143	-29,3374	46,114	-2,0726	46,1709	-29,3943
	204	Shell-Thick	~244	14,1948	58,6934	-10,6744	61,1215	11,7667
	205	Shell-Thick	~244	7,887	46,9543	-10,0553	49,3905	5,4508
	205	Shell-Thick	~143	-25,3268	46,367	-2,7447	46,4719	-25,4317
	205	Shell-Thick	~145	-12,1837	68,8218	2,0913	68,8757	-12,2377
	205	Shell-Thick	~245	20,4851	69,2637	-5,2193	69,8159	19,9329
	206	Shell-Thick	~245	18,8615	68,2783	-1,0441	68,3004	18,8394
	206	Shell-Thick	~145	-11,8719	63,2484	-2,1096	63,3076	-11,9311
	206	Shell-Thick	~147	-12,7107	64,8714	-1,2593	64,8918	-12,7311
	206	Shell-Thick	~246	17,9099	69,9567	-0,1939	69,9574	17,9092
	207	Shell-Thick	~246	18,7067	69,3309	1,8354	69,3973	18,6402
	207	Shell-Thick	~147	-12,37	71,1846	-3,3773	71,3209	-12,5063
	207	Shell-Thick	~149	-22,3185	53,0136	3,1494	53,145	-22,4499
	207	Shell-Thick	~247	9,3941	51,0415	8,3622	52,6578	7,7779
	208	Shell-Thick	~247	15,4079	64,4238	10,8949	66,7363	13,0953
	208	Shell-Thick	~149	-26,3603	49,4906	0,6383	49,496	-26,3657
	208	Shell-Thick	~151	-46,2379	10,94	-4,7252	11,3279	-46,6257
	208	Shell-Thick	~248	-3,5978	26,2979	5,5314	27,2885	-4,5883
	209	Shell-Thick	~248	2,7786	24,8733	22,5739	38,9581	-11,3061
	209	Shell-Thick	~151	-46,8815	41,0283	-21,9903	46,2222	-52,0754
	209	Shell-Thick	~153	-112,776	-26,1234	-0,8601	-26,1149	-112,7845
	209	Shell-Thick	~249	-60,6482	-42,6125	43,7041	-7,0056	-96,2551
	210	Shell-Thick	~249	-52,7606	-57,814	40,5632	-14,6455	-95,9291
	210	Shell-Thick	~153	-146,081	-138,0089	2,5603	-137,2653	-146,8245
	210	Shell-Thick	83	-209,0524	-231,4068	-47,3311	-171,5967	-268,8625
	210	Shell-Thick	~131	-113,9865	-148,9516	-9,3282	-111,6535	-151,2846
	211	Shell-Thick	88	-156,5164	-217,7382	-23,6059	-148,4715	-225,7831
	211	Shell-Thick	~250	-69,6018	-139,9452	-16,1182	-66,0844	-143,4626
	211	Shell-Thick	~251	-42,5426	-48,5513	32,9722	-12,4381	-78,6557
	211	Shell-Thick	~252	-128,5056	-123,2021	25,4844	-100,2318	-151,4758
	212	Shell-Thick	~252	-99,0297	-35,7322	13,4793	-32,9813	-101,7806
	212	Shell-Thick	~251	-56,4489	-58,1734	44,5936	-12,7092	-101,9131
	212	Shell-Thick	~253	-6,3088	11,8434	19,0341	23,8546	-18,32
	212	Shell-Thick	~254	-46,5998	34,2664	-12,0801	36,0324	-48,3658
	213	Shell-Thick	~254	-45,2214	5,3994	-1,8776	5,469	-45,2909
	213	Shell-Thick	~253	-12,4815	16,7389	9,0202	19,2991	-15,0417
	213	Shell-Thick	~255	8,8074	59,7446	12,8805	62,8165	5,7356
	213	Shell-Thick	~256	-23,1058	48,9052	1,9827	48,9598	-23,1603

	214	Shell-Thick	~256	-19,2385	49,763	4,4672	50,051	-19,5265
	214	Shell-Thick	~255	1,8497	43,4344	10,3746	45,879	-0,5949
	214	Shell-Thick	~257	13,0058	65,4197	1,6636	65,4724	12,9531
	214	Shell-Thick	~258	-7,4548	71,7256	-4,2437	71,9524	-7,6816
	215	Shell-Thick	~258	-8,2444	61,0664	-1,4426	61,0964	-8,2744
	215	Shell-Thick	~257	12,2696	68,4499	-1,0776	68,4706	12,2489
	215	Shell-Thick	~259	12,9527	69,8226	1,6661	69,8714	12,9039
	215	Shell-Thick	~260	-7,5046	62,4366	1,3011	62,4608	-7,5288
	216	Shell-Thick	~260	-6,3667	72,5567	4,576	72,8211	-6,6311
	216	Shell-Thick	~259	12,9589	65,4232	-1,5428	65,4686	12,9135
	216	Shell-Thick	~261	2,0235	46,0136	-10,7633	48,5059	-0,4688
	216	Shell-Thick	~262	-17,8423	53,2094	-4,6445	53,5117	-18,1447
	217	Shell-Thick	~262	-21,6353	49,7924	-2,9169	49,9114	-21,7542
	217	Shell-Thick	~261	8,3638	62,1674	-12,5282	64,9416	5,5897
	217	Shell-Thick	~263	-10,8469	22,3405	-7,0451	23,7742	-12,2805
	217	Shell-Thick	~264	-41,4795	9,4405	2,5662	9,5695	-41,6085
	218	Shell-Thick	~264	-41,7553	39,6524	13,538	41,8447	-43,9476
	218	Shell-Thick	~263	-6,3654	13,1572	-17,8104	23,7058	-16,9141
	218	Shell-Thick	~265	-56,2074	-53,6791	-45,9893	-8,9366	-100,9499
	218	Shell-Thick	~266	-93,7488	-27,033	-14,6408	-23,9615	-96,8204
	219	Shell-Thick	~266	-124,4217	-127,2518	-29,9855	-95,8179	-155,8557
	219	Shell-Thick	~265	-43,3741	-42,6585	-31,0969	-11,9174	-74,1153
	219	Shell-Thick	~81	-62,0011	-128,59	27,21	-52,2967	-138,2944
	219	Shell-Thick	81	-143,4273	-216,5061	28,3213	-133,7366	-226,1968
	220	Shell-Thick	~250	-25,6838	-118,9219	-9,2131	-24,7821	-119,8236
	220	Shell-Thick	~267	27,319	-64,9144	-14,8955	29,6649	-67,2603
	220	Shell-Thick	~268	32,6948	-4,3037	20,4389	41,7631	-13,372
	220	Shell-Thick	~251	-20,0908	-56,3006	26,1213	-6,4135	-69,9779
	221	Shell-Thick	~251	-10,8605	-42,5291	32,7252	9,6599	-63,0495
	221	Shell-Thick	~268	19,3652	-38,5711	13,7442	22,4604	-41,6663
	221	Shell-Thick	~269	5,1792	4,6578	11,6547	16,5761	-6,7392
	221	Shell-Thick	~253	-24,7553	1,6276	30,6358	21,7912	-44,919
	222	Shell-Thick	~253	-17,4503	19,6821	18,0518	27,0113	-24,7796
	222	Shell-Thick	~269	1,8397	6,4309	24,1086	28,353	-20,0823
	222	Shell-Thick	~270	15,4692	40,211	9,9468	43,7139	11,9663
	222	Shell-Thick	~255	-3,0747	53,4312	3,89	53,6978	-3,3412
	223	Shell-Thick	~255	-2,7528	44,3404	7,0842	45,383	-3,7954
	223	Shell-Thick	~270	14,3202	45,1664	6,8135	46,6044	12,8822
	223	Shell-Thick	~271	17,2081	61,7631	4,6301	62,2392	16,732
	223	Shell-Thick	~257	0,3609	61,0642	4,9008	61,4573	-0,0322
	224	Shell-Thick	~257	2,1858	66,6008	5,0113	66,9884	1,7982
	224	Shell-Thick	~271	15,7311	57,9658	4,5252	58,4452	15,2517
	224	Shell-Thick	~272	15,2947	58,786	-4,9112	59,3337	14,747
	224	Shell-Thick	~259	1,7838	67,4211	-4,4252	67,7181	1,4868
	225	Shell-Thick	~259	0,1463	61,4272	-5,3855	61,8969	-0,3234
	225	Shell-Thick	~272	16,551	62,8736	-3,9469	63,2075	16,2171
	225	Shell-Thick	~273	15,4473	48,4033	-5,4245	49,2732	14,5774
	225	Shell-Thick	~261	-1,1032	46,8218	-6,8631	47,7853	-2,0667
	226	Shell-Thick	~261	-0,9099	56,8762	-2,4705	56,9816	-1,0153
	226	Shell-Thick	~273	16,1299	42,7286	-9,7528	45,9213	12,9371
	226	Shell-Thick	~274	1,2986	10,4617	-24,4403	30,7462	-18,9859
	226	Shell-Thick	~263	-16,4141	24,6636	-17,1581	30,8875	-22,638
	227	Shell-Thick	~263	-23,7941	3,941	-31,9486	24,9019	-44,755
	227	Shell-Thick	~274	4,3515	9,549	-9,7957	17,0848	-3,1843
	227	Shell-Thick	~275	22,7369	-31,2286	-9,4075	24,3298	-32,8215
	227	Shell-Thick	~265	-5,522	-37,8116	-31,5604	13,7833	-57,1169
	228	Shell-Thick	~265	-13,4084	-47,8597	-20,7806	-3,6422	-57,6258

	228	Shell-Thick	~275	36,0952	6,1793	-20,2607	46,3213	-4,0468
	228	Shell-Thick	~85	24,5615	-54,0215	17,3007	28,2018	-57,6618
	228	Shell-Thick	~81	-25,048	-110,0051	16,7808	-21,8536	-113,1996
	229	Shell-Thick	~267	15,5451	-61,0515	-0,7857	15,5531	-61,0595
	229	Shell-Thick	~276	37,7738	-47,5419	-2,9452	37,8753	-47,6435
	229	Shell-Thick	~277	44,7148	0,1639	4,282	45,1226	-0,2439
	229	Shell-Thick	~268	22,6311	-12,5342	6,4415	23,7739	-13,6769
	230	Shell-Thick	~268	21,1218	-34,7084	9,3224	22,6373	-36,2239
	230	Shell-Thick	~277	37,1193	-23,1854	1,3656	37,1502	-23,2163
	230	Shell-Thick	~278	35,1788	15,1076	8,1493	38,0709	12,2156
	230	Shell-Thick	~269	19,3445	3,9794	16,1061	29,5066	-6,1826
	231	Shell-Thick	~269	22,5998	12,4147	19,001	37,1789	-2,1644
	231	Shell-Thick	~278	32,5159	9,6348	5,2437	33,6604	8,4904
	231	Shell-Thick	~279	20,9624	34,5491	1,2128	34,6565	20,855
	231	Shell-Thick	~270	11,1412	37,5136	14,9702	44,2769	4,3779
	232	Shell-Thick	~270	13,6324	45,9731	9,1783	48,3963	11,2092
	232	Shell-Thick	~279	21,0778	39,1231	6,9721	41,503	18,6979
	232	Shell-Thick	~280	21,1742	53,362	0,0694	53,3621	21,1741
	232	Shell-Thick	~271	13,9188	60,161	2,2756	60,2727	13,8071
	233	Shell-Thick	~271	13,7405	57,6655	0,8644	57,6825	13,7235
	233	Shell-Thick	~280	21,5166	56,6778	1,5015	56,7418	21,4526
	233	Shell-Thick	~281	22,458	57,5677	-0,617	57,5786	22,4472
	233	Shell-Thick	~272	14,6844	58,5661	-1,2541	58,6019	14,6486
	234	Shell-Thick	~272	15,1261	61,8286	-1,1556	61,8571	15,0975
	234	Shell-Thick	~281	22,1061	54,7542	-0,7037	54,7694	22,0909
	234	Shell-Thick	~282	20,0854	41,5689	-7,7743	44,0871	17,5672
	234	Shell-Thick	~273	12,9719	48,6684	-8,2262	50,4728	11,1675
	235	Shell-Thick	~273	10,5829	40,054	-15,5813	46,764	3,8729
	235	Shell-Thick	~282	20,104	38,3311	-0,4461	38,3421	20,0931
	235	Shell-Thick	~283	33,6182	15,0285	-3,3938	34,2184	14,4282
	235	Shell-Thick	~274	24,03	16,5732	-18,529	39,202	1,4012
	236	Shell-Thick	~274	21,2315	9,7118	-13,4419	30,0957	0,8477
	236	Shell-Thick	~283	36,3829	21,7209	-8,4944	40,2724	17,8314
	236	Shell-Thick	~284	34,7537	-16,2528	-0,8564	34,7681	-16,2672
	236	Shell-Thick	~275	19,4868	-28,6654	-5,8039	20,1765	-29,3551
	237	Shell-Thick	~275	22,0339	-2,3376	-3,9828	22,6683	-2,972
	237	Shell-Thick	~284	42,1618	7,1954	-2,7009	42,3692	6,988
	237	Shell-Thick	~89	34,2459	-40,1696	2,1833	34,3099	-40,2336
	237	Shell-Thick	~85	13,97	-50,4352	0,9013	13,9826	-50,4478
	238	Shell-Thick	~276	37,3658	-45,9721	0,7884	37,3732	-45,9795
	238	Shell-Thick	~285	35,0626	-46,6691	-1,6394	35,0955	-46,702
	238	Shell-Thick	~286	40,9942	-2,3928	-1,8056	41,0692	-2,4679
	238	Shell-Thick	~277	43,2705	-1,7764	0,6222	43,2791	-1,785
	239	Shell-Thick	~277	38,8863	-21,9123	5,196	39,3271	-22,3532
	239	Shell-Thick	~286	37,1639	-23,3292	-6,3864	37,8308	-23,9961
	239	Shell-Thick	~287	30,3544	12,2587	-7,2348	32,8912	9,7218
	239	Shell-Thick	~278	32,1035	13,5729	4,3476	33,0728	12,6036
	240	Shell-Thick	~278	31,1254	9,8324	2,7948	31,4861	9,4717
	240	Shell-Thick	~287	30,2688	10,6809	-5,6762	31,7948	9,1549
	240	Shell-Thick	~288	25,1526	35,9886	-4,8037	37,8115	23,3297
	240	Shell-Thick	~279	26,0169	35,0843	3,6674	36,3819	24,7193
	241	Shell-Thick	~279	26,9539	40,4903	3,6096	41,3927	26,0515
	241	Shell-Thick	~288	26,1133	40,0711	-4,7408	41,529	24,6553
	241	Shell-Thick	~289	18,5655	52,4102	-4,9447	53,1178	17,8579
	241	Shell-Thick	~280	19,3972	52,8145	3,4057	53,1581	19,0536
	242	Shell-Thick	~280	20,0704	56,3995	-0,287	56,4018	20,0681
	242	Shell-Thick	~289	19,7424	58,0755	-1,2568	58,1167	19,7012

	242	Shell-Thick	~290	18,6626	58,5748	0,2077	58,5758	18,6615
	242	Shell-Thick	~281	19,0174	56,8687	1,1775	56,9053	18,9808
	243	Shell-Thick	~281	18,4388	53,8896	-4,2033	54,3811	17,9472
	243	Shell-Thick	~290	17,6707	53,7016	5,6054	54,5535	16,8188
	243	Shell-Thick	~291	27,3388	43,0328	5,5417	44,7924	25,5792
	243	Shell-Thick	~282	28,0509	43,2932	-4,267	44,4064	26,9377
	244	Shell-Thick	~282	27,3746	39,3418	-2,2168	39,7393	26,9772
	244	Shell-Thick	~291	26,5982	39,8999	3,4762	40,7536	25,7445
	244	Shell-Thick	~292	28,4681	15,1604	4,072	29,6152	14,0133
	244	Shell-Thick	~283	29,2832	14,6049	-1,6211	29,4601	14,428
	245	Shell-Thick	~283	30,5056	19,6995	-4,538	32,1585	18,0465
	245	Shell-Thick	~292	29,0547	19,1115	7,0131	32,6797	15,4866
	245	Shell-Thick	~293	36,0308	-15,6138	6,6963	36,8849	-16,4679
	245	Shell-Thick	~284	37,4005	-14,8775	-4,8549	37,8475	-15,3246
	246	Shell-Thick	~284	41,8146	5,606	0,0609	41,8147	5,6059
	246	Shell-Thick	~293	39,7095	4,3671	1,7593	39,7969	4,2797
	246	Shell-Thick	~93	32,9162	-39,7733	1,0612	32,9316	-39,7888
	246	Shell-Thick	~89	35,0704	-38,4847	-0,6372	35,0759	-38,4902
	247	Shell-Thick	~285	37,873	-48,6414	2,766	37,9614	-48,7298
	247	Shell-Thick	~294	10,6304	-65,2915	-0,2522	10,6313	-65,2923
	247	Shell-Thick	~295	17,0289	-14,7633	-9,1327	19,4656	-17,2
	247	Shell-Thick	~286	44,186	0,7799	-6,1145	45,0309	-0,065
	248	Shell-Thick	~286	35,2868	-25,2476	-3,7581	35,5192	-25,48
	248	Shell-Thick	~295	16,3568	-36,5921	-11,4326	18,7198	-38,9551
	248	Shell-Thick	~296	15,2396	3,7246	-17,5212	27,925	-8,9608
	248	Shell-Thick	~287	33,9843	14,5276	-9,8467	38,0979	10,414
	249	Shell-Thick	~287	30,9732	9,9598	-6,506	32,8244	8,1086
	249	Shell-Thick	~296	18,6738	10,4079	-20,8542	35,8007	-6,719
	249	Shell-Thick	~297	6,6508	36,3534	-18,3146	45,0815	-2,0772
	249	Shell-Thick	~288	18,8798	35,596	-3,9663	36,4894	17,9865
	250	Shell-Thick	~288	18,3263	38,1335	-9,7282	42,1123	14,3475
	250	Shell-Thick	~297	10,0819	48,2034	-12,5184	51,9467	6,3386
	250	Shell-Thick	~298	9,7102	62,7427	-2,7635	62,8864	9,5666
	250	Shell-Thick	~289	17,8033	52,6379	0,0267	52,638	17,8033
	251	Shell-Thick	~289	18,3892	57,7669	-1,7782	57,847	18,3091
	251	Shell-Thick	~298	9,4009	58,9971	-0,9567	59,0155	9,3825
	251	Shell-Thick	~299	10,6201	59,9687	1,5345	60,0163	10,5724
	251	Shell-Thick	~290	19,538	58,7879	0,713	58,8008	19,525
	252	Shell-Thick	~290	18,8906	54,2056	0,7471	54,2214	18,8748
	252	Shell-Thick	~299	11,2105	64,2665	1,4669	64,3071	11,17
	252	Shell-Thick	~300	9,291	50,8616	11,1608	53,6686	6,4841
	252	Shell-Thick	~291	17,173	40,7396	10,441	44,6999	13,2127
	253	Shell-Thick	~291	17,6695	38,8841	2,741	39,2325	17,3211
	253	Shell-Thick	~300	6,0957	39,2234	18,9322	47,8149	-2,4957
	253	Shell-Thick	~301	20,7761	15,0759	20,9587	39,0776	-3,2256
	253	Shell-Thick	~292	32,2641	15,1497	4,7675	33,5025	13,9113
	254	Shell-Thick	~292	35,4701	21,7926	10,7557	41,3771	15,8856
	254	Shell-Thick	~301	17,7006	9,0853	14,9432	28,9446	-2,1587
	254	Shell-Thick	~302	14,6905	-30,8467	7,1451	15,7853	-31,9415
	254	Shell-Thick	~293	32,6735	-17,6832	2,9576	32,8466	-17,8563
	255	Shell-Thick	~293	41,0148	6,9504	3,8323	41,4406	6,5246
	255	Shell-Thick	~302	16,789	-3,2807	5,3462	18,6274	-5,119
	255	Shell-Thick	~97	9,9591	-53,1752	1,3956	9,9899	-53,2061
	255	Shell-Thick	~93	34,1756	-41,8437	-1,1183	34,1921	-41,8601
	256	Shell-Thick	~294	22,1827	-70,292	13,4452	24,0979	-72,2071
	256	Shell-Thick	~303	-36,2235	-126,4976	10,7257	-34,9666	-127,7545
	256	Shell-Thick	~304	-25,9507	-58,408	-25,4584	-11,9883	-72,3705

	256	Shell-Thick	~295	32,1236	-4,4334	-22,7389	43,0197	-15,3296
	257	Shell-Thick	~295	17,3529	-40,6405	-13,3531	20,2798	-43,5674
	257	Shell-Thick	~304	-16,8792	-50,6969	-34,7802	4,8846	-72,4607
	257	Shell-Thick	~305	-33,2222	-3,7587	-36,9762	21,3124	-58,2933
	257	Shell-Thick	~296	0,8019	5,0847	-15,5491	18,6391	-12,7526
	258	Shell-Thick	~296	-3,7302	3,6844	-28,4157	28,6336	-28,6794
	258	Shell-Thick	~305	-24,0649	20,7676	-23,9596	31,1621	-34,4595
	258	Shell-Thick	~306	-11,3109	56,0945	-6,3838	56,6938	-11,9102
	258	Shell-Thick	~297	8,2882	38,9236	-10,84	42,3712	4,8406
	259	Shell-Thick	~297	7,3297	46,5108	-8,9509	48,4588	5,3817
	259	Shell-Thick	~306	-10,8572	45,983	-8,3181	47,1753	-12,0495
	259	Shell-Thick	~307	-6,4062	63,8474	-5,7037	64,3074	-6,8663
	259	Shell-Thick	~298	11,5016	64,2432	-6,3366	64,9938	10,751
	260	Shell-Thick	~298	9,5975	58,9041	-5,6586	59,5452	8,9564
	260	Shell-Thick	~307	-4,2565	70,4143	-6,4045	70,9596	-4,8018
	260	Shell-Thick	~308	-4,987	71,3344	5,5103	71,7302	-5,3828
	260	Shell-Thick	~299	8,8926	59,7554	6,2562	60,5136	8,1344
	261	Shell-Thick	~299	10,4307	65,0082	5,2603	65,5106	9,9283
	261	Shell-Thick	~308	-6,91	64,1575	6,5336	64,7532	-7,5056
	261	Shell-Thick	~309	-8,4533	48,7768	8,6003	50,0413	-9,7178
	261	Shell-Thick	~300	8,941	49,894	7,3271	51,1654	7,6696
	262	Shell-Thick	~300	9,391	41,7769	11,1396	45,2385	5,9294
	262	Shell-Thick	~309	-8,3964	59,4282	4,6926	59,7513	-8,7195
	262	Shell-Thick	~310	-23,2298	25,8074	22,4334	34,5216	-31,944
	262	Shell-Thick	~301	-4,6721	8,0918	28,8804	31,2869	-27,8673
	263	Shell-Thick	~301	-0,7331	9,2663	12,9393	18,1383	-9,6051
	263	Shell-Thick	~310	-32,2982	-1,0143	38,5849	24,9786	-58,2912
	263	Shell-Thick	~311	-10,1413	-45,0407	34,6919	11,2422	-66,4242
	263	Shell-Thick	~302	21,3151	-33,3894	9,0463	22,7723	-34,8466
	264	Shell-Thick	~302	36,25	7,2881	23,6214	49,4758	-5,9378
	264	Shell-Thick	~311	-17,943	-50,0524	20,1279	-8,2511	-59,7443
	264	Shell-Thick	~101	-35,5182	-117,4749	-19,4454	-31,1385	-121,8546
	264	Shell-Thick	~97	18,9466	-58,0543	-15,9519	22,1204	-61,2282
	265	Shell-Thick	~303	-66,3633	-146,3717	21,9103	-60,7561	-151,9789
	265	Shell-Thick	89	-161,2642	-237,3574	19,2474	-156,6727	-241,9489
	265	Shell-Thick	~181	-144,3798	-136,509	-39,1689	-101,0783	-179,8105
	265	Shell-Thick	~304	-50,1498	-49,4017	-36,5059	-13,2679	-86,2836
	266	Shell-Thick	~304	-67,1701	-68,1683	-51,7656	-15,9012	-119,4372
	266	Shell-Thick	~181	-111,626	-39,075	-23,4498	-32,1556	-118,5455
	266	Shell-Thick	~183	-61,5953	35,6728	8,0358	36,3322	-62,2547
	266	Shell-Thick	~305	-19,4856	6,4019	-20,28	17,5169	-30,6005
	267	Shell-Thick	~305	-25,5324	16,0434	-13,5987	20,0962	-29,5853
	267	Shell-Thick	~183	-59,6962	5,2925	1,1828	5,314	-59,7178
	267	Shell-Thick	~185	-32,0715	52,8187	-1,9388	52,8629	-32,1158
	267	Shell-Thick	~306	1,1566	63,0187	-16,7203	67,2487	-3,0734
	268	Shell-Thick	~306	-6,6482	44,7322	-12,1987	47,4813	-9,3973
	268	Shell-Thick	~185	-27,9024	52,927	-6,4594	53,4399	-28,4154
	268	Shell-Thick	~187	-16,0404	76,4244	3,8801	76,5869	-16,203
	268	Shell-Thick	~307	4,618	68,1448	-1,8592	68,1991	4,5636
	269	Shell-Thick	~307	3,8414	71,8329	0,5653	71,8376	3,8367
	269	Shell-Thick	~187	-16,7498	65,3067	1,4202	65,3313	-16,7743
	269	Shell-Thick	~189	-15,3188	66,9622	-0,6324	66,967	-15,3237
	269	Shell-Thick	~308	5,136	73,56	-1,4873	73,5923	5,1037
	270	Shell-Thick	~308	5,0303	68,1583	2,2434	68,238	4,9507
	270	Shell-Thick	~189	-14,2686	77,0863	-4,4587	77,3034	-14,4857
	270	Shell-Thick	~191	-26,7407	56,5345	6,2803	57,0055	-27,2116
	270	Shell-Thick	~309	-6,7983	47,495	12,9825	50,4396	-9,7429

	271	Shell-Thick	~309	0,1686	64,989	15,8367	68,6512	-3,4936
	271	Shell-Thick	~191	-30,8084	53,5363	3,4973	53,6811	-30,9532
	271	Shell-Thick	~193	-54,5452	9,8428	-1,1379	9,8629	-54,5653
	271	Shell-Thick	~310	-22,9889	22,0078	11,2014	24,6421	-25,6232
	272	Shell-Thick	~310	-18,7346	8,1809	19,9085	18,7536	-29,3073
	272	Shell-Thick	~193	-55,2883	41,2257	-10,0865	42,2686	-56,3311
	272	Shell-Thick	~195	-106,6253	-29,8947	23,7334	-23,1472	-113,3728
	272	Shell-Thick	~311	-67,7486	-63,0447	53,7284	-11,6168	-119,1765
	273	Shell-Thick	~311	-52,2382	-44,2602	33,991	-14,0249	-82,4735
	273	Shell-Thick	~195	-140,5838	-140,92	44,0501	-96,7014	-184,8024
	273	Shell-Thick	82	-146,9655	-235,6038	-23,4847	-141,1277	-241,4416
	273	Shell-Thick	~101	-58,6943	-134,7615	-33,5438	-46,0156	-147,4402
	274	Shell-Thick	87	-162,2504	-223,1938	-23,8162	-154,0473	-231,3968
	274	Shell-Thick	~312	-72,2346	-142,8792	-16,1571	-68,7147	-146,3991
	274	Shell-Thick	~313	-44,6448	-49,8771	34,4697	-12,6922	-81,8298
	274	Shell-Thick	~314	-133,694	-126,9326	26,8106	-103,2903	-157,3362
	275	Shell-Thick	~314	-103,2354	-36,6434	14,7059	-33,5404	-106,3384
	275	Shell-Thick	~313	-59,0623	-59,9609	46,1823	-13,3271	-105,6961
	275	Shell-Thick	~315	-8,2744	11,2034	19,6113	23,3608	-20,4318
	275	Shell-Thick	~316	-50,1168	34,5529	-11,8651	36,1842	-51,748
	276	Shell-Thick	~316	-48,5007	5,3811	-1,9727	5,4533	-48,5728
	276	Shell-Thick	~315	-14,5423	17,1165	9,9042	19,9596	-17,3854
	276	Shell-Thick	~317	8,0761	61,0025	13,8885	64,4257	4,6529
	276	Shell-Thick	~318	-25,0116	49,7833	2,0116	49,8373	-25,0657
	277	Shell-Thick	~318	-20,9497	50,7507	4,9324	51,0884	-21,2874
	277	Shell-Thick	~317	0,7894	43,9112	10,9544	46,5344	-1,8338
	277	Shell-Thick	~319	12,1608	66,2339	1,691	66,2868	12,1079
	277	Shell-Thick	~320	-8,963	73,094	-4,331	73,3219	-9,191
	278	Shell-Thick	~320	-9,7437	62,119	-1,4997	62,1503	-9,775
	278	Shell-Thick	~319	11,4421	69,712	-1,0914	69,7325	11,4216
	278	Shell-Thick	~321	12,1707	71,1625	1,7317	71,2133	12,1199
	278	Shell-Thick	~322	-8,9211	63,5344	1,3234	63,5586	-8,9452
	279	Shell-Thick	~322	-7,788	73,8087	4,6934	74,0778	-8,0571
	279	Shell-Thick	~321	12,113	66,2648	-1,5587	66,3096	12,0682
	279	Shell-Thick	~323	0,9903	46,5878	-11,2308	49,2039	-1,6258
	279	Shell-Thick	~324	-19,4976	54,2191	-4,9788	54,5538	-19,8323
	280	Shell-Thick	~324	-23,4396	50,7312	-2,9245	50,8464	-23,5548
	280	Shell-Thick	~323	7,5579	63,2036	-13,3385	66,2357	4,5259
	280	Shell-Thick	~325	-12,7743	22,6936	-7,9051	24,3757	-14,4564
	280	Shell-Thick	~326	-44,3759	9,6177	2,5089	9,734	-44,4922
	281	Shell-Thick	~326	-44,9061	39,8076	13,3597	41,8645	-46,963
	281	Shell-Thick	~325	-8,2049	12,6996	-18,5306	23,5225	-19,0278
	281	Shell-Thick	~327	-58,8657	-55,2058	-47,4484	-9,5521	-104,5194
	281	Shell-Thick	~328	-97,8054	-27,9381	-15,5581	-24,6303	-101,1133
	282	Shell-Thick	~328	-129,3871	-130,871	-31,3779	-98,7424	-161,5158
	282	Shell-Thick	~327	-45,675	-44,228	-32,1109	-12,8324	-77,0706
	282	Shell-Thick	~55	-64,1494	-131,4318	27,5376	-54,3158	-141,2653
	282	Shell-Thick	80	-148,1809	-221,5734	28,2707	-138,5539	-231,2004
	283	Shell-Thick	~312	-27,6985	-121,269	-8,8135	-26,8756	-122,0919
	283	Shell-Thick	~329	27,9638	-65,8902	-14,8887	30,2691	-68,1955
	283	Shell-Thick	~330	32,9526	-4,8729	21,1072	42,3807	-14,3011
	283	Shell-Thick	~313	-22,4794	-58,147	27,1824	-7,8028	-72,8236
	284	Shell-Thick	~313	-12,7907	-43,8553	33,5203	8,621	-65,2671
	284	Shell-Thick	~330	19,3377	-38,7957	14,6776	22,8333	-42,2914
	284	Shell-Thick	~331	5,3925	4,7757	13,1581	18,2458	-8,0777
	284	Shell-Thick	~315	-26,4429	0,7185	32,0008	21,9011	-47,6255
	285	Shell-Thick	~315	-18,563	20,4597	19,5074	28,5387	-26,6421

	285	Shell-Thick	~331	1,7467	6,2049	25,5195	29,5925	-21,6409
	285	Shell-Thick	~332	15,3557	40,1229	10,3313	43,8666	11,612
	285	Shell-Thick	~317	-4,2086	54,3983	4,3192	54,7149	-4,5252
	286	Shell-Thick	~317	-3,8048	44,9331	7,324	46,0099	-4,8816
	286	Shell-Thick	~332	14,2575	46,1161	7,3801	47,7427	12,6309
	286	Shell-Thick	~333	17,5539	62,8669	5,3322	63,4859	16,9349
	286	Shell-Thick	~319	-0,2543	61,8102	5,276	62,2555	-0,6996
	287	Shell-Thick	~319	1,7473	67,9573	5,52	68,4143	1,2902
	287	Shell-Thick	~333	15,8648	58,282	5,1027	58,8872	15,2596
	287	Shell-Thick	~334	15,5328	59,118	-5,3118	59,756	14,8948
	287	Shell-Thick	~321	1,4189	68,828	-4,8944	69,1815	1,0654
	288	Shell-Thick	~321	-0,3575	62,257	-5,6241	62,7581	-0,8587
	288	Shell-Thick	~334	16,943	63,8575	-4,5942	64,3031	16,4973
	288	Shell-Thick	~335	15,2988	49,2842	-6,0613	50,3329	14,2501
	288	Shell-Thick	~323	-2,1009	47,4833	-7,0912	48,4775	-3,0951
	289	Shell-Thick	~323	-2,0006	57,6817	-2,938	57,826	-2,1449
	289	Shell-Thick	~335	15,946	42,8235	-10,1338	46,2161	12,5534
	289	Shell-Thick	~336	1,224	10,4455	-25,5726	31,8196	-20,1502
	289	Shell-Thick	~325	-17,4489	25,3688	-18,3768	32,1742	-24,2543
	290	Shell-Thick	~325	-25,3107	3,2678	-33,1275	25,0565	-47,0993
	290	Shell-Thick	~336	4,451	9,3727	-10,9916	18,1756	-4,3519
	290	Shell-Thick	~337	22,726	-31,6273	-10,3981	24,6473	-33,5486
	290	Shell-Thick	~327	-7,0841	-38,8389	-32,534	13,24	-59,1631
	291	Shell-Thick	~327	-15,4681	-49,8026	-21,7798	-4,9032	-60,3675
	291	Shell-Thick	~337	36,4939	6,2561	-21,2083	47,4206	-4,6706
	291	Shell-Thick	~59	24,9567	-54,3613	17,6441	28,7045	-58,1091
	291	Shell-Thick	~55	-27,1576	-112,4174	17,0727	-23,866	-115,709
	292	Shell-Thick	~329	14,6783	-61,9122	-0,8794	14,6884	-61,9223
	292	Shell-Thick	~338	39,5892	-46,7742	-2,292	39,65	-46,8349
	292	Shell-Thick	~339	47,3866	0,625	5,7923	48,0934	-0,0818
	292	Shell-Thick	~330	22,6015	-13,5783	7,2048	23,9835	-14,9602
	293	Shell-Thick	~330	21,6897	-34,5118	10,6928	23,6553	-36,4774
	293	Shell-Thick	~339	39,3915	-22,9761	2,2619	39,4734	-23,058
	293	Shell-Thick	~340	36,7844	14,7987	8,7417	39,8365	11,7466
	293	Shell-Thick	~331	19,2502	3,7337	17,1726	30,3358	-7,3519
	294	Shell-Thick	~331	22,8196	12,452	19,647	37,9552	-2,6836
	294	Shell-Thick	~340	34,1147	10,579	6,2553	35,6739	9,0197
	294	Shell-Thick	~341	22,9594	35,259	2,7275	35,8367	22,3817
	294	Shell-Thick	~332	11,7567	37,3706	16,1193	45,1512	3,976
	295	Shell-Thick	~332	14,6725	47,2476	10,4884	50,3324	11,5877
	295	Shell-Thick	~341	22,7504	38,9159	8,3271	42,4379	19,2283
	295	Shell-Thick	~342	22,8797	52,9729	0,064	52,973	22,8796
	295	Shell-Thick	~333	14,9706	61,3018	2,2253	61,4084	14,8639
	296	Shell-Thick	~333	14,7324	58,168	0,9148	58,1873	14,7131
	296	Shell-Thick	~342	23,3846	57,4402	1,3822	57,4962	23,3286
	296	Shell-Thick	~343	24,0913	58,2928	-0,6473	58,3051	24,079
	296	Shell-Thick	~334	15,4819	58,9953	-1,1146	59,0238	15,4533
	297	Shell-Thick	~334	16,005	62,8391	-1,2141	62,8706	15,9736
	297	Shell-Thick	~343	23,5737	54,4768	-0,5228	54,4856	23,5648
	297	Shell-Thick	~344	21,9005	41,4755	-8,7768	44,8343	18,5417
	297	Shell-Thick	~335	14,1558	49,8864	-9,4681	52,2403	11,8019
	298	Shell-Thick	~335	11,4393	40,1886	-16,4002	47,6221	4,0057
	298	Shell-Thick	~344	22,145	38,8131	-1,8955	39,0259	21,9322
	298	Shell-Thick	~345	34,8896	15,6949	-4,6948	35,9764	14,6082
	298	Shell-Thick	~336	24,1939	16,773	-19,1996	40,0383	0,9287
	299	Shell-Thick	~336	21,0357	9,2079	-14,6732	30,9419	-0,6983
	299	Shell-Thick	~345	37,7623	21,8323	-9,2139	41,9767	17,618

)	299	Shell-Thick	~346	36,8688	-15,6457	-1,3203	36,902	-15,6789
)	299	Shell-Thick	~337	19,9764	-28,6954	-6,7796	20,9031	-29,6222
)	300	Shell-Thick	~337	22,1348	-2,702	-4,2752	22,8501	-3,4173
).	300	Shell-Thick	~346	44,4751	7,1844	-3,8729	44,873	6,7864
)	300	Shell-Thick	~63	35,5157	-39,8621	1,0126	35,5293	-39,8757
)	300	Shell-Thick	~59	13,0988	-50,6466	0,6103	13,1046	-50,6525
)	301	Shell-Thick	~338	39,3669	-44,7205	1,8295	39,4067	-44,7602
)	301	Shell-Thick	~347	39,7549	-44,7313	-1,5606	39,7837	-44,7601
)	301	Shell-Thick	~348	44,1715	-2,2127	-1,6375	44,2293	-2,2705
)	301	Shell-Thick	~339	43,7952	-2,1915	1,7526	43,8619	-2,2582
)	302	Shell-Thick	~339	39,9929	-21,5912	5,3528	40,4546	-22,053
)	302	Shell-Thick	~348	40,3103	-21,1309	-5,234	40,753	-21,5736
)	302	Shell-Thick	~349	34,5253	13,4487	-4,9162	35,6156	12,3584
)	302	Shell-Thick	~340	34,1969	13,0166	5,6706	35,6195	11,5939
)	303	Shell-Thick	~340	33,8902	11,2238	4,6602	34,8109	10,303
)	303	Shell-Thick	~349	33,9521	10,8418	-3,908	34,595	10,1989
)	303	Shell-Thick	~350	28,5576	35,281	-4,2419	37,3317	26,5068
)	303	Shell-Thick	~341	28,494	35,6762	4,3263	37,7076	26,4625
)	304	Shell-Thick	~341	29,5093	40,5713	4,0885	41,9184	28,1623
)	304	Shell-Thick	~350	29,6309	40,8295	-4,0053	42,1146	28,3458
)	304	Shell-Thick	~351	22,3104	52,7873	-3,8114	53,2567	21,841
)	304	Shell-Thick	~342	22,1921	52,5317	4,2824	53,1246	21,5992
)	305	Shell-Thick	~342	23,1812	57,4289	0,5888	57,4391	23,171
)	305	Shell-Thick	~351	23,1197	56,882	-0,1155	56,8824	23,1193
)	305	Shell-Thick	~352	22,3798	57,3721	-0,5666	57,3813	22,3706
)	305	Shell-Thick	~343	22,43	57,9311	0,1378	57,9317	22,4294
)	306	Shell-Thick	~343	21,6151	53,8714	-4,6917	54,5399	20,9465
)	306	Shell-Thick	~352	21,7108	54,0126	4,2568	54,5641	21,1593
)	306	Shell-Thick	~353	30,3361	43,5263	4,3701	44,8428	29,0196
)	306	Shell-Thick	~344	30,2605	43,3611	-4,5784	44,8026	28,8191
)	307	Shell-Thick	~344	29,4933	39,6635	-3,2131	40,5935	28,5632
)	307	Shell-Thick	~353	29,5499	39,4572	3,0113	40,3006	28,7064
0	307	Shell-Thick	~354	32,253	15,5587	2,8257	32,7183	15,0934
0	307	Shell-Thick	~345	32,1795	15,7722	-3,3986	32,8556	15,0961
0	308	Shell-Thick	~345	32,9208	19,7075	-5,3171	34,7947	17,8337
0	308	Shell-Thick	~354	33,1541	19,8351	4,7354	34,666	18,3231
0	308	Shell-Thick	~355	38,4269	-14,0471	4,8234	38,8666	-14,4867
0	308	Shell-Thick	~346	38,2227	-14,2184	-5,2291	38,739	-14,7347
0	309	Shell-Thick	~346	41,9506	4,7535	-1,5679	42,0166	4,6875
0	309	Shell-Thick	~355	42,3149	5,0604	1,1707	42,3517	5,0236
0	309	Shell-Thick	~67	37,1372	-37,3806	1,3645	37,1622	-37,4055
0	309	Shell-Thick	~63	36,7538	-37,6884	-1,3741	36,7792	-37,7138
0	310	Shell-Thick	~347	39,3454	-46,7306	2,219	39,4026	-46,7878
0	310	Shell-Thick	~356	15,3759	-61,0147	1,1122	15,3921	-61,0309
0	310	Shell-Thick	~357	23,6104	-13,0716	-6,4523	24,7123	-14,1734
0	310	Shell-Thick	~348	47,4243	0,3553	-5,3455	48,0238	-0,2441
0	311	Shell-Thick	~348	39,7676	-22,3623	-1,599	39,8087	-22,4034
0	311	Shell-Thick	~357	22,4696	-34,3416	-10,1648	24,2335	-36,1056
0	311	Shell-Thick	~358	19,788	3,5167	-17,0914	30,5813	-7,2766
0	311	Shell-Thick	~349	36,9301	15,0525	-8,5256	39,8601	12,1225
0	312	Shell-Thick	~349	34,283	10,3112	-6,1867	35,7855	8,8087
0	312	Shell-Thick	~358	23,4085	13,1251	-19,4153	38,3515	-1,8178
0	312	Shell-Thick	~359	12,5091	37,8408	-15,1893	44,9522	5,3977
0	312	Shell-Thick	~350	23,2811	34,8225	-1,9606	35,1465	22,9572
0	313	Shell-Thick	~350	23,2973	39,3057	-7,5869	42,33	20,273
0	313	Shell-Thick	~359	15,1246	46,5161	-9,5316	49,1835	12,4571
0	313	Shell-Thick	~360	15,678	60,4967	-2,1985	60,6042	15,5704

	313	Shell-Thick	~351	23,6669	53,3157	-0,2539	53,3179	23,6647
	314	Shell-Thick	~351	24,0561	57,0467	-1,4234	57,108	23,9948
	314	Shell-Thick	~360	15,5251	57,9477	-1,0448	57,9734	15,4994
	314	Shell-Thick	~361	16,1483	58,7498	1,1204	58,7792	16,1188
	314	Shell-Thick	~352	24,6617	57,8511	0,7418	57,8677	24,6451
	315	Shell-Thick	~352	24,263	54,7065	0,592	54,718	24,2515
	315	Shell-Thick	~361	16,5895	62,1075	1,2545	62,142	16,555
	315	Shell-Thick	~362	14,7346	49,2142	8,714	51,2913	12,6575
	315	Shell-Thick	~353	22,5544	41,7866	8,0515	44,7123	19,6287
	316	Shell-Thick	~353	22,6532	38,6203	1,3269	38,7298	22,5436
	316	Shell-Thick	~362	12,2535	40,469	15,473	47,3003	5,4222
	316	Shell-Thick	~363	24,5712	17,1942	18,6509	39,8949	1,8706
	316	Shell-Thick	~354	35,0161	15,5688	4,5048	36,0089	14,576
	317	Shell-Thick	~354	37,8043	21,7992	8,7047	41,6259	17,9776
	317	Shell-Thick	~363	21,4446	9,2715	14,4602	31,047	-0,3309
	317	Shell-Thick	~364	20,8353	-28,2623	6,5801	21,7019	-29,1289
	317	Shell-Thick	~355	37,3201	-15,3026	0,8245	37,333	-15,3155
	318	Shell-Thick	~355	44,7378	7,3101	3,7276	45,1055	6,9424
	318	Shell-Thick	~364	23,0692	-2,6166	3,7061	23,5933	-3,1407
	318	Shell-Thick	~71	13,5522	-50,2259	-1,2778	13,5778	-50,2515
	318	Shell-Thick	~67	35,3569	-39,5017	-1,2563	35,378	-39,5228
	319	Shell-Thick	~356	28,9986	-64,7023	15,4644	31,4848	-67,1886
	319	Shell-Thick	~365	-25,7364	-120,0729	8,3351	-25,0057	-120,8037
	319	Shell-Thick	~366	-22,0441	-58,1747	-27,8161	-6,9418	-73,2771
	319	Shell-Thick	~357	32,5028	-4,881	-20,6868	41,6916	-14,0697
	320	Shell-Thick	~357	19,152	-38,6486	-15,1463	22,8805	-42,3771
	320	Shell-Thick	~366	-12,142	-41,6507	-33,2524	9,4824	-63,2752
	320	Shell-Thick	~367	-25,0071	2,3138	-30,1954	21,795	-44,4883
	320	Shell-Thick	~358	5,9591	4,3944	-12,0893	17,2913	-6,9378
	321	Shell-Thick	~358	2,6814	7,0455	-24,3658	29,3267	-19,5998
	321	Shell-Thick	~367	-17,6757	19,9315	-17,7936	27,0159	-24,7601
	321	Shell-Thick	~368	-2,7122	53,5277	-3,7503	53,7767	-2,9611
	321	Shell-Thick	~359	16,8939	40,652	-10,3225	44,5103	13,0355
	322	Shell-Thick	~359	15,6745	45,6254	-6,9544	47,1614	14,1385
	322	Shell-Thick	~368	-2,2783	44,6267	-7,1769	45,7002	-3,3519
	322	Shell-Thick	~369	0,8705	61,2091	-4,9912	61,6192	0,4604
	322	Shell-Thick	~360	18,5862	62,079	-4,7688	62,5957	18,0694
	323	Shell-Thick	~360	17,0553	58,1509	-4,7561	58,6942	16,512
	323	Shell-Thick	~369	2,7359	66,8095	-5,0113	67,1991	2,3463
	323	Shell-Thick	~370	2,6157	67,669	4,5764	67,9894	2,2953
	323	Shell-Thick	~361	16,9053	59,004	4,8316	59,5514	16,3579
	324	Shell-Thick	~361	18,2032	63,2278	4,2307	63,6219	17,8091
	324	Shell-Thick	~370	0,957	61,6417	5,1769	62,0801	0,5186
	324	Shell-Thick	~371	-0,8777	47,0312	6,6697	47,9424	-1,7889
	324	Shell-Thick	~362	16,5055	48,7708	5,7235	49,756	15,5203
	325	Shell-Thick	~362	17,2553	43,1279	9,8304	46,4392	13,944
	325	Shell-Thick	~371	-0,7787	56,918	2,4959	57,0257	-0,8865
	325	Shell-Thick	~372	-16,3044	24,9391	17,048	31,0735	-22,4388
	325	Shell-Thick	~363	2,4153	11,1045	24,3825	31,5264	-18,0067
	326	Shell-Thick	~363	5,4133	9,399	10,2841	17,8816	-3,0693
	326	Shell-Thick	~372	-23,7144	4,5846	31,2929	24,7784	-43,9081
	326	Shell-Thick	~373	-6,802	-37,0752	31,7242	13,2117	-57,0889
	326	Shell-Thick	~364	22,454	-31,2723	10,7154	24,5123	-33,3306
	327	Shell-Thick	~364	35,8724	5,838	20,3238	46,1252	-4,4148
	327	Shell-Thick	~373	-15,2705	-49,4363	22,1958	-4,3448	-60,3619
	327	Shell-Thick	~75	-25,1373	-110,8799	-16,1437	-22,1985	-113,8187
	327	Shell-Thick	~71	26,0986	-53,6107	-18,0156	29,9813	-57,4934

0	328	Shell-Thick	~365	-74,9366	-142,2813	14,2721	-72,0369	-145,1811
0	328	Shell-Thick	88	-163,3081	-218,9987	25,3113	-153,5233	-228,7835
0	328	Shell-Thick	~252	-130,8272	-123,7643	-22,6873	-104,3352	-150,2563
0	328	Shell-Thick	~366	-43,5342	-50,1043	-33,7266	-12,9331	-80,7054
0	329	Shell-Thick	~366	-57,1163	-57,2968	-44,2462	-12,9602	-101,4529
0	329	Shell-Thick	~252	-101,1469	-36,0808	-11,8004	-34,0068	-103,2209
0	329	Shell-Thick	~254	-47,0697	34,0976	12,9797	36,1227	-49,0948
0	329	Shell-Thick	~367	-5,3591	12,8946	-19,4662	25,2673	-17,7318
0	330	Shell-Thick	~367	-11,7814	17,0791	-8,7563	19,528	-14,2302
0	330	Shell-Thick	~254	-45,5552	5,3741	2,0805	5,4589	-45,64
0	330	Shell-Thick	~256	-23,5236	48,7802	-1,9126	48,8308	-23,5742
0	330	Shell-Thick	~368	9,4049	59,9823	-12,7494	63,0144	6,3728
0	331	Shell-Thick	~368	2,3853	43,686	-10,4166	46,1645	-0,0932
0	331	Shell-Thick	~256	-19,5753	49,72	-4,2254	49,9767	-19,832
0	331	Shell-Thick	~258	-7,4452	71,7032	4,3877	71,9457	-7,6877
0	331	Shell-Thick	~369	13,8828	65,685	-1,8035	65,7477	13,8201
0	332	Shell-Thick	~369	13,1195	68,7098	1,19	68,7353	13,094
0	332	Shell-Thick	~258	-8,2022	61,0769	1,3354	61,1027	-8,2279
0	332	Shell-Thick	~260	-7,7345	62,3885	-1,4836	62,4199	-7,7659
0	332	Shell-Thick	~370	13,5252	70,0274	-1,629	70,0743	13,4783
0	333	Shell-Thick	~370	13,545	65,6312	1,3882	65,6681	13,508
0	333	Shell-Thick	~260	-6,6128	72,4918	-4,5673	72,7547	-6,8757
0	333	Shell-Thick	~262	-17,8794	53,2176	4,5627	53,5092	-18,1711
0	333	Shell-Thick	~371	2,8223	46,2993	10,5183	48,7103	0,4114
0	334	Shell-Thick	~371	9,2092	62,4291	12,5416	65,2366	6,4018
0	334	Shell-Thick	~262	-21,7368	49,7352	2,5772	49,828	-21,8296
0	334	Shell-Thick	~264	-42,0091	9,3715	-3,0182	9,5482	-42,1858
0	334	Shell-Thick	~372	-10,4228	22,6019	6,9462	24,0034	-11,8243
0	335	Shell-Thick	~372	-5,726	14,0308	17,9025	24,5995	-16,2946
0	335	Shell-Thick	~264	-42,4026	39,459	-14,1831	41,8467	-44,7903
0	335	Shell-Thick	~266	-95,3028	-27,2799	13,321	-24,7643	-97,8184
0	335	Shell-Thick	~373	-56,4494	-52,8532	45,4066	-9,2091	-100,0934
0	336	Shell-Thick	~373	-43,8733	-43,8381	31,7042	-12,1515	-75,56
0	336	Shell-Thick	~266	-126,1575	-127,6878	27,4636	-99,4484	-154,3969
0	336	Shell-Thick	81	-149,092	-217,5502	-29,9858	-137,8153	-228,8269
0	336	Shell-Thick	~75	-66,3313	-130,4374	-25,7451	-57,2721	-139,4965
	337	Shell-Thick	86	-169,4341	-231,4214	-24,1255	-161,1512	-239,7043
	337	Shell-Thick	~374	-74,681	-145,3686	-16,9328	-70,8342	-149,2154
	337	Shell-Thick	~375	-47,5176	-50,3383	35,4879	-13,4121	-84,4439
	337	Shell-Thick	~376	-141,3133	-132,7021	28,2952	-108,3868	-165,6287
	338	Shell-Thick	~376	-109,8513	-37,1072	14,2208	-34,426	-112,5325
	338	Shell-Thick	~375	-62,2511	-62,2903	49,1052	-13,1655	-111,3759
	338	Shell-Thick	~377	-8,637	10,8824	21,549	24,7788	-22,5334
	338	Shell-Thick	~378	-53,7116	35,9499	-13,3354	37,8912	-55,6529
	339	Shell-Thick	~378	-52,4609	4,5086	-1,6657	4,5573	-52,5095
	339	Shell-Thick	~377	-14,6627	18,4486	10,1175	21,2953	-17,5095
	339	Shell-Thick	~379	7,4878	63,0015	15,0401	66,8143	3,6749
	339	Shell-Thick	~380	-29,4773	49,7376	3,2569	49,8713	-29,611
	340	Shell-Thick	~380	-24,8542	53,1392	5,4292	53,5153	-25,2303
	340	Shell-Thick	~379	-0,211	44,2216	12,8184	47,6543	-3,6438
	340	Shell-Thick	~381	12,5444	67,2654	1,8179	67,3257	12,484
	340	Shell-Thick	~382	-11,361	76,1022	-5,5713	76,4557	-11,7144
	341	Shell-Thick	~382	-12,6128	62,5067	-1,9357	62,5566	-12,6627
	341	Shell-Thick	~381	12,0691	72,2252	-1,7348	72,2751	12,0191
	341	Shell-Thick	~383	12,5774	73,6811	2,0969	73,753	12,5056
	341	Shell-Thick	~384	-12,0697	63,994	1,896	64,0413	-12,1169
	342	Shell-Thick	~384	-10,5124	76,5614	5,5114	76,9088	-10,8599

	342	Shell-Thick	~383	12,2299	67,1627	-1,4509	67,201	12,1916
	342	Shell-Thick	~385	0,4959	47,1629	-12,6975	50,394	-2,7352
	342	Shell-Thick	~386	-22,8289	56,6277	-5,7351	57,0395	-23,2407
	343	Shell-Thick	~386	-27,3051	50,776	-3,8059	50,961	-27,4902
	343	Shell-Thick	~385	7,3821	65,0647	-14,6689	68,5808	3,8661
	343	Shell-Thick	~387	-13,0884	23,9273	-8,5704	25,8153	-14,9764
	343	Shell-Thick	~388	-48,4693	9,0156	2,2926	9,1069	-48,5606
	344	Shell-Thick	~388	-48,7622	40,7792	14,0726	42,9388	-50,9218
	344	Shell-Thick	~387	-8,7691	12,2959	-20,1212	24,4746	-20,9478
	344	Shell-Thick	~389	-60,9154	-56,9783	-49,6108	-9,297	-108,5967
	344	Shell-Thick	~390	-103,2051	-28,313	-15,417	-25,2635	-106,2547
	345	Shell-Thick	~390	-135,8024	-136,5337	-32,1796	-103,9863	-168,3498
	345	Shell-Thick	~389	-47,4406	-44,3697	-33,343	-12,5268	-79,2835
	345	Shell-Thick	~29	-66,7016	-133,4358	27,8756	-56,5898	-143,5475
	345	Shell-Thick	79	-155,5364	-229,3718	29,0389	-145,4841	-239,424
	346	Shell-Thick	~374	-28,814	-122,7156	-8,7239	-28,0103	-123,5193
	346	Shell-Thick	~391	29,6912	-64,9579	-14,181	31,7702	-67,0369
	346	Shell-Thick	~392	35,7313	-3,1868	21,9272	45,5887	-13,0442
	346	Shell-Thick	~375	-22,3678	-58,7879	27,3842	-7,6916	-73,464
	347	Shell-Thick	~375	-12,8597	-45,0156	35,3104	9,8609	-67,7362
	347	Shell-Thick	~392	22,0496	-37,8271	13,9517	25,1409	-40,9184
	347	Shell-Thick	~393	6,0356	5,4404	13,6529	19,3941	-7,9182
	347	Shell-Thick	~377	-28,6559	-0,5178	35,0116	23,1458	-52,3194
	348	Shell-Thick	~377	-20,2493	21,8623	20,8081	30,4092	-28,7962
	348	Shell-Thick	~393	2,1711	5,7713	27,6796	31,7093	-23,7669
	348	Shell-Thick	~394	16,4925	39,9425	11,2913	44,4954	11,9396
	348	Shell-Thick	~379	-5,0746	55,958	4,4198	56,2764	-5,393
	349	Shell-Thick	~379	-4,8603	45,418	8,1618	46,7098	-6,152
	349	Shell-Thick	~394	15,6617	47,4	7,6364	49,1418	13,92
	349	Shell-Thick	~395	18,2895	63,9862	5,8696	64,7281	17,5476
	349	Shell-Thick	~381	-2,0367	62,2228	6,395	62,8531	-2,6669
	350	Shell-Thick	~381	0,3084	70,081	6,1873	70,6254	-0,236
	350	Shell-Thick	~395	16,3779	58,2957	6,0683	59,1565	15,5171
	350	Shell-Thick	~396	16,4038	59,2734	-5,9369	60,0804	15,5968
	350	Shell-Thick	~383	0,3937	71,0364	-5,818	71,5124	-0,0822
	351	Shell-Thick	~383	-1,7302	62,708	-6,4196	63,3414	-2,3636
	351	Shell-Thick	~396	18,0122	65,024	-5,3291	65,6206	17,4157
	351	Shell-Thick	~397	16,436	50,5246	-6,5739	51,7484	15,2122
	351	Shell-Thick	~385	-3,4584	48,0346	-7,6644	49,1512	-4,575
	352	Shell-Thick	~385	-3,2241	59,007	-3,4244	59,1949	-3,4119
	352	Shell-Thick	~397	16,8066	42,5771	-10,7417	46,4673	12,9165
	352	Shell-Thick	~398	2,2818	10,3101	-27,1946	33,7852	-21,1933
	352	Shell-Thick	~387	-18,4704	26,7873	-19,8773	34,2778	-25,9608
	353	Shell-Thick	~387	-26,8395	2,1726	-35,5615	26,0729	-50,7398
	353	Shell-Thick	~398	5,7105	10,2226	-11,6813	19,8637	-3,9305
	353	Shell-Thick	~399	25,0781	-30,543	-9,9604	26,808	-32,2729
	353	Shell-Thick	~389	-7,5698	-39,7999	-33,8406	13,7969	-61,1666
	354	Shell-Thick	~389	-15,8041	-50,3532	-22,2064	-4,9444	-61,2129
	354	Shell-Thick	~399	38,8953	7,9249	-21,6503	50,0283	-3,2081
	354	Shell-Thick	~33	27,2984	-52,881	17,16	30,8166	-56,3992
	354	Shell-Thick	~29	-27,6258	-113,3098	16,6038	-24,5209	-116,4148
	355	Shell-Thick	~391	16,7547	-60,5558	-0,2156	16,7553	-60,5564
	355	Shell-Thick	~400	42,9864	-44,4797	-2,6129	43,0644	-44,5576
	355	Shell-Thick	~401	49,6415	2,3348	5,636	50,3037	1,6726
	355	Shell-Thick	~392	23,4737	-12,6278	8,0332	25,1805	-14,3346
	356	Shell-Thick	~392	22,5063	-33,6306	10,6151	24,4464	-35,5708
	356	Shell-Thick	~401	41,6232	-21,5914	2,9768	41,763	-21,7312

	356	Shell-Thick	~402	40,2161	16,0192	9,4216	43,4519	12,7834
	356	Shell-Thick	~393	21,3709	4,4023	17,0599	31,9398	-6,1665
	357	Shell-Thick	~393	24,8296	12,5074	20,7901	40,3523	-3,0152
	357	Shell-Thick	~402	37,5377	11,8152	5,7119	38,749	10,6039
	357	Shell-Thick	~403	24,9471	35,8406	2,9814	36,6032	24,1845
	357	Shell-Thick	~394	12,2594	36,8915	18,0596	46,4348	2,716
	358	Shell-Thick	~394	15,5249	48,515	11,458	52,1041	11,9358
	358	Shell-Thick	~403	24,5488	38,5534	9,5226	43,3711	19,7311
	358	Shell-Thick	~404	24,9812	52,5315	0,1393	52,5322	24,9805
	358	Shell-Thick	~395	16,1889	62,4238	2,0747	62,5167	16,096
	359	Shell-Thick	~395	15,7587	58,2918	1,0264	58,3166	15,734
	359	Shell-Thick	~404	25,653	57,8713	1,2167	57,9172	25,6072
	359	Shell-Thick	~405	26,0344	58,6513	-0,7152	58,6669	26,0187
	359	Shell-Thick	~396	16,1336	59,0994	-0,9054	59,1185	16,1146
	360	Shell-Thick	~396	16,8417	63,8922	-1,3006	63,9281	16,8057
	360	Shell-Thick	~405	25,3531	53,992	-0,3107	53,9954	25,3497
	360	Shell-Thick	~406	24,0345	41,2991	-9,6252	45,5959	19,7377
	360	Shell-Thick	~397	15,3819	51,2115	-10,6152	54,1203	12,4731
	361	Shell-Thick	~397	12,3203	39,7892	-17,9198	48,6325	3,477
	361	Shell-Thick	~406	24,4667	39,5743	-2,3628	39,9352	24,1058
	361	Shell-Thick	~407	37,9017	16,9858	-4,3563	38,7728	16,1148
	361	Shell-Thick	~398	25,7354	16,8914	-19,9133	41,7117	0,915
	362	Shell-Thick	~398	22,6751	9,8738	-14,7374	32,3418	0,2072
	362	Shell-Thick	~407	40,7523	22,9546	-9,529	44,8916	18,8153
	362	Shell-Thick	~408	39,426	-14,0269	-1,7592	39,4838	-14,0848
	362	Shell-Thick	~399	21,1724	-27,5825	-6,9675	22,1486	-28,5587
	363	Shell-Thick	~399	23,3745	-1,5905	-4,7132	24,2347	-2,4506
	363	Shell-Thick	~408	46,9636	8,68	-4,0582	47,3891	8,2545
	363	Shell-Thick	~37	38,4146	-37,7665	0,7724	38,4224	-37,7743
	363	Shell-Thick	~33	14,7049	-48,9886	0,1174	14,7051	-48,9888
	364	Shell-Thick	~400	41,6656	-42,4995	1,6645	41,6985	-42,5324
	364	Shell-Thick	~409	42,2162	-42,6666	-1,1933	42,233	-42,6834
	364	Shell-Thick	~410	47,2656	-0,5826	-1,3836	47,3056	-0,6225
	364	Shell-Thick	~401	46,8037	-0,4771	1,4742	46,8496	-0,523
	365	Shell-Thick	~401	43,0227	-19,9475	5,8736	43,5659	-20,4907
	365	Shell-Thick	~410	43,4708	-18,9912	-5,751	43,9959	-19,5162
	365	Shell-Thick	~411	36,8259	14,7115	-5,1091	37,9492	13,5882
	365	Shell-Thick	~402	36,2978	13,8716	6,5155	38,0533	12,1161
	366	Shell-Thick	~402	36,0498	12,2848	4,7523	36,9649	11,3697
	366	Shell-Thick	~411	36,0715	11,2864	-3,374	36,5226	10,8353
	366	Shell-Thick	~412	31,4727	35,4382	-4,1528	38,0574	28,8536
	366	Shell-Thick	~403	31,5122	36,3865	3,9735	38,6107	29,288
	367	Shell-Thick	~403	32,3781	40,4487	4,5037	42,4604	30,3663
	367	Shell-Thick	~412	32,59	41,2917	-4,662	43,3177	30,564
	367	Shell-Thick	~413	24,334	52,7981	-4,0502	53,3632	23,7689
	367	Shell-Thick	~404	24,0721	52,0202	5,1154	52,9271	23,1652
	368	Shell-Thick	~404	25,2429	57,826	0,769	57,8441	25,2247
	368	Shell-Thick	~413	25,0625	56,4886	0,2799	56,4911	25,06
	368	Shell-Thick	~414	24,5938	57,065	-0,7474	57,0822	24,5766
	368	Shell-Thick	~405	24,8055	58,3688	-0,2583	58,3708	24,8035
	369	Shell-Thick	~405	23,8227	53,4496	-5,2268	54,3447	22,9276
	369	Shell-Thick	~414	24,0119	54,1605	4,2294	54,7426	23,4298
	369	Shell-Thick	~415	32,9052	43,9702	4,764	45,7387	31,1367
	369	Shell-Thick	~406	32,7025	43,269	-4,6922	45,0518	30,9197
	370	Shell-Thick	~406	32,0924	40,4182	-3,0505	41,4162	31,0943
	370	Shell-Thick	~415	32,0739	39,6141	3,1182	40,7365	30,9515
	370	Shell-Thick	~416	34,5216	16,2122	2,4852	34,853	15,8809

	370	Shell-Thick	~407	34,5452	16,9958	-3,6835	35,287	16,254
	371	Shell-Thick	~407	35,209	20,5969	-5,8732	37,277	18,5289
	371	Shell-Thick	~416	35,576	21,2014	4,6731	36,9616	19,8157
	371	Shell-Thick	~417	41,1449	-11,8658	5,1138	41,6337	-12,3546
	371	Shell-Thick	~408	40,7895	-12,5052	-5,4324	41,3376	-13,0533
	372	Shell-Thick	~408	44,4242	6,1292	-1,6873	44,4984	6,055
	372	Shell-Thick	~417	44,8541	6,2197	1,3727	44,9028	6,171
	372	Shell-Thick	~41	40,091	-35,3687	1,3824	40,1163	-35,394
	372	Shell-Thick	~37	39,6487	-35,4767	-1,6775	39,6861	-35,5142
	373	Shell-Thick	~409	42,4242	-44,5779	2,3604	42,4882	-44,6419
	373	Shell-Thick	~418	17,5117	-58,9883	0,7186	17,5185	-58,9951
	373	Shell-Thick	~419	25,091	-11,7082	-6,5328	26,2164	-12,8335
	373	Shell-Thick	~410	49,7613	1,8695	-4,8911	50,2557	1,3751
	374	Shell-Thick	~410	42,3111	-20,3768	-1,6551	42,3547	-20,4205
	374	Shell-Thick	~419	23,6929	-33,7037	-9,7584	25,3066	-35,3174
	374	Shell-Thick	~420	21,8197	3,775	-17,2566	32,2702	-6,6756
	374	Shell-Thick	~411	40,324	16,5648	-9,1534	43,4414	13,4474
	375	Shell-Thick	~411	37,5457	10,9542	-5,8905	38,7921	9,7078
	375	Shell-Thick	~420	25,473	13,7608	-20,4844	40,9219	-1,6881
	375	Shell-Thick	~421	13,4856	37,8254	-16,248	45,9559	5,3551
	375	Shell-Thick	~412	25,4013	34,851	-1,6541	35,1322	25,1201
	376	Shell-Thick	~412	25,4897	39,61	-8,0082	43,2259	21,8738
	376	Shell-Thick	~421	16,1554	46,8573	-9,8794	49,7616	13,2511
	376	Shell-Thick	~422	16,8171	60,6593	-2,5805	60,8106	16,6658
	376	Shell-Thick	~413	26,013	53,3955	-0,7093	53,4139	25,9946
	377	Shell-Thick	~413	26,3345	56,7184	-1,7225	56,8157	26,2371
	377	Shell-Thick	~422	16,7335	58,5259	-1,5672	58,5846	16,6749
	377	Shell-Thick	~423	17,092	59,2595	1,395	59,3056	17,0459
	377	Shell-Thick	~414	26,6367	57,4983	1,2398	57,548	26,587
	378	Shell-Thick	~414	26,3227	54,8171	0,8212	54,8407	26,299
	378	Shell-Thick	~423	17,459	52,2053	1,7845	62,2764	17,3879
	378	Shell-Thick	~424	15,9711	49,6465	9,1643	51,9789	13,6387
	378	Shell-Thick	~415	25,0096	42,1966	8,201	45,4819	21,7243
	379	Shell-Thick	~415	25,0517	38,7819	1,1984	38,8857	24,9479
	379	Shell-Thick	~424	13,4321	40,5771	16,2134	48,149	5,8602
	379	Shell-Thick	~425	26,2457	17,8349	19,4039	41,8947	2,1859
	379	Shell-Thick	~416	37,8915	16,3139	4,3889	38,7501	15,4554
	380	Shell-Thick	~416	40,8071	23,324	9,0789	44,6688	19,4623
	380	Shell-Thick	~425	23,0682	9,5154	14,7136	32,4909	-0,0928
	380	Shell-Thick	~426	22,1687	-27,4068	6,3185	22,9613	-28,1995
	380	Shell-Thick	~417	40,0685	-13,1575	0,6839	40,0773	-13,1663
	381	Shell-Thick	~417	47,2033	8,4934	3,5146	47,5199	8,1769
	381	Shell-Thick	~426	24,6419	-1,0175	3,5214	25,1164	-1,492
	381	Shell-Thick	~45	15,2891	-47,9471	-0,8199	15,2998	-47,9578
	381	Shell-Thick	~41	38,0065	-37,5895	-0,8267	38,0156	-37,5986
	382	Shell-Thick	~418	31,3443	-62,8544	15,3776	33,7911	-65,3012
	382	Shell-Thick	~427	-25,7889	-120,817	7,9796	-25,1235	-121,4824
	382	Shell-Thick	~428	-22,0869	-58,8062	-28,446	-6,5903	-74,3029
	382	Shell-Thick	~419	34,8565	-3,1225	-21,048	44,2152	-12,4811
	383	Shell-Thick	~419	21,4691	-37,9943	-14,8243	24,9598	-41,4851
	383	Shell-Thick	~428	-12,2882	-41,8783	-34,5456	10,4972	-64,6637
	383	Shell-Thick	~429	-26,2482	1,7446	-31,909	22,5919	-47,0954
	383	Shell-Thick	~420	7,1069	4,6783	-12,1876	18,1406	-6,3554
	384	Shell-Thick	~420	3,892	7,3869	-25,4448	31,1442	-19,8653
	384	Shell-Thick	~429	-18,7406	20,4993	-18,5389	27,8726	-26,1139
	384	Shell-Thick	~430	-3,7295	53,9672	-4,4506	54,3085	-4,0708
	384	Shell-Thick	~421	18,1842	40,8228	-11,3565	45,5378	13,4692

11	385	Shell-Thick	~421	17,0171	45,962	-7,6949	47,8805	15,0986
11	385	Shell-Thick	~430	-3,2181	45,5497	-8,1559	46,8776	-4,5459
11	385	Shell-Thick	~431	-0,3376	61,9613	-5,2363	62,3983	-0,7747
11	385	Shell-Thick	~422	19,6057	62,2846	-4,7752	62,8124	19,0779
11	386	Shell-Thick	~422	18,1422	58,7014	-4,9714	59,3019	17,5417
11	386	Shell-Thick	~431	1,5308	67,5695	-5,0628	67,9554	1,1449
11	386	Shell-Thick	~432	1,6063	68,5024	4,7216	68,834	1,2747
11	386	Shell-Thick	~423	18,2195	59,5913	4,813	60,1438	17,6669
11	387	Shell-Thick	~423	19,4496	63,4539	4,3307	63,8761	19,0274
11	387	Shell-Thick	~432	-0,0583	62,467	5,2144	62,8989	-0,4902
11	387	Shell-Thick	~433	-1,977	47,9518	7,4768	49,0474	-3,0726
11	387	Shell-Thick	~424	17,6532	49,1325	6,5931	50,4576	16,3281
11	388	Shell-Thick	~424	18,3617	43,3434	10,6265	47,252	14,4531
11	388	Shell-Thick	~433	-1,9902	57,2167	3,3652	57,4073	-2,1809
11	388	Shell-Thick	~434	-17,061	25,5564	17,831	32,0327	-23,5373
11	388	Shell-Thick	~425	4,0083	11,6071	25,0923	33,186	-17,5707
11	389	Shell-Thick	~425	6,9618	9,8238	10,442	18,9324	-2,1469
11	389	Shell-Thick	~434	-24,6487	4,1683	32,6404	25,4389	-45,9193
11	389	Shell-Thick	~435	-7,2394	-37,2161	32,7379	13,7782	-58,2336
11	389	Shell-Thick	~426	24,5177	-30,4667	10,5396	26,4687	-32,4177
11	390	Shell-Thick	~426	-38,0173	7,7783	-20,5533	48,4133	-2,6176
11	390	Shell-Thick	~435	-15,6363	-49,9477	22,7976	-4,2605	-61,3235
11	390	Shell-Thick	~49	-25,1509	-111,231	-15,727	-22,3675	-114,0144
11	390	Shell-Thick	~45	28,6725	-51,3913	-17,9713	32,5213	-55,2401
11	391	Shell-Thick	~427	-77,7996	-144,1432	14,0116	-74,9617	-146,981
11	391	Shell-Thick	87	-170,0909	-224,5262	26,1188	-159,586	-235,0311
11	391	Shell-Thick	~314	-136,4889	-127,7272	-22,3661	-109,317	-154,8991
11	391	Shell-Thick	~428	-45,4379	-50,5524	-34,4733	-13,4272	-82,5631
11	392	Shell-Thick	~428	-58,9245	-58,2981	-45,5759	-13,0344	-104,1883
11	392	Shell-Thick	~314	-106,4195	-37,0677	-10,9046	-35,3935	-108,0937
11	392	Shell-Thick	~316	-51,0037	34,163	13,5334	36,2618	-53,1025
11	392	Shell-Thick	~429	-5,8335	12,9201	-21,1379	26,6676	-19,581
11	393	Shell-Thick	~429	-12,1698	17,4749	-9,6567	20,3431	-15,038
11	393	Shell-Thick	~316	-49,5267	5,3117	1,8739	5,3756	-49,5906
11	393	Shell-Thick	~318	-27,014	49,2471	-1,7829	49,2887	-27,0557
11	393	Shell-Thick	~430	9,3909	60,9299	-13,3135	64,1658	6,1549
11	394	Shell-Thick	~430	2,3258	44,6252	-11,0423	47,3343	-0,3833
11	394	Shell-Thick	~318	-22,9742	50,4254	-4,0508	50,6483	-23,197
11	394	Shell-Thick	~320	-10,1244	72,7821	4,601	73,0366	-10,379
11	394	Shell-Thick	~431	14,5457	66,9713	-2,3905	67,0801	14,4369
11	395	Shell-Thick	~431	13,7242	69,8147	1,039	69,8339	13,705
11	395	Shell-Thick	~320	-10,9128	61,8891	1,1202	61,9064	-10,9301
11	395	Shell-Thick	~322	-10,5022	63,2143	-1,3159	63,2378	-10,5256
11	395	Shell-Thick	~432	14,0385	71,1823	-1,397	71,2165	14,0043
11	396	Shell-Thick	~432	14,0931	66,9005	1,845	66,9649	14,0287
11	396	Shell-Thick	~322	-9,3706	73,4271	-4,6413	73,6865	-9,63
11	396	Shell-Thick	~324	-21,0514	53,9733	4,4333	54,2344	-21,3125
11	396	Shell-Thick	~433	3,0074	47,3455	10,9197	49,8889	0,464
11	397	Shell-Thick	~433	9,3984	63,2808	13,1122	66,3023	6,3769
11	397	Shell-Thick	~324	-24,9918	50,2905	2,2854	50,3598	-25,0612
11	397	Shell-Thick	~326	-45,9331	9,4365	-2,8047	9,5782	-46,0748
11	397	Shell-Thick	~434	-10,8576	23,0106	8,0221	24,8147	-12,6616
11	398	Shell-Thick	~434	-6,2228	14,1213	19,4066	25,8601	-17,9616
11	398	Shell-Thick	~326	-46,3701	39,3148	-14,4096	41,6732	-48,7284
11	398	Shell-Thick	~328	-100,0277	-28,1826	12,4652	-26,0813	-102,129
11	398	Shell-Thick	~435	-57,6472	-53,5654	46,2814	-9,2799	-101,9327
11	399	Shell-Thick	~435	-45,1051	-43,9861	32,343	-12,1977	-76,8935

	399	Shell-Thick	~328	-131,318	-131,5028	26,8557	-104,5546	-158,2662
	399	Shell-Thick	80	-155,8479	-222,8612	-30,8546	-143,8057	-234,9034
	399	Shell-Thick	~49	-69,0233	-131,8608	-25,3672	-60,061	-140,8232
	400	Shell-Thick	85	-182,6468	-189,8827	-68,4615	-117,7077	-254,8218
	400	Shell-Thick	~436	-103,6	-141,191	11,5251	-100,3478	-144,4432
	400	Shell-Thick	~437	10,5548	-41,5749	39,029	31,4223	-62,4423
	400	Shell-Thick	~438	-65,114	-89,8415	-40,9576	-34,6947	-120,2608
	401	Shell-Thick	~438	-48,0716	-62,9677	-10,5065	-42,641	-68,3983
	401	Shell-Thick	~437	2,0195	-25,9129	8,8531	4,5891	-28,4825
	401	Shell-Thick	~439	37,4441	37,8107	31,0662	68,6942	6,5606
	401	Shell-Thick	~440	-11,4289	1,7462	11,7066	8,5915	-18,2742
	402	Shell-Thick	~440	-1,4057	19,2876	27,6344	38,4487	-20,5669
	402	Shell-Thick	~439	25,7821	12,0747	15,1317	35,5398	2,3169
	402	Shell-Thick	~441	17,891	49,5526	4,5151	50,1839	17,2597
	402	Shell-Thick	~442	-8,4607	57,1592	17,0178	61,31	-12,6115
	403	Shell-Thick	~442	-6,1442	51,3579	9,8823	53,0089	-7,7952
	403	Shell-Thick	~441	14,4229	49,5961	11,6988	53,1317	10,8872
	403	Shell-Thick	~443	20,5529	69,9314	6,7219	70,8301	19,6543
	403	Shell-Thick	~444	0,2554	71,9698	4,9054	72,3038	-0,0786
	404	Shell-Thick	~444	1,5862	72,9887	6,278	73,5365	1,0384
	404	Shell-Thick	~443	18,1874	63,7391	5,3494	64,3589	17,5677
	404	Shell-Thick	~445	17,2453	64,6908	-5,11	65,2349	16,7012
2	404	Shell-Thick	~446	0,6831	73,95	-4,1814	74,1879	0,4452
2	405	Shell-Thick	~446	-0,2975	72,7572	-4,543	73,0386	-0,5789
2	405	Shell-Thick	~445	19,0534	70,0213	-4,7426	70,4588	18,6158
2	405	Shell-Thick	~447	15,3514	52,2376	-10,16	54,8509	12,738
2	405	Shell-Thick	~448	-4,2183	54,7482	-9,9604	56,3853	-5,8553
2	406	Shell-Thick	~448	-6,3008	59,215	-14,8701	62,4321	-9,5178
2	406	Shell-Thick	~447	18,4069	52,6364	-5,2149	53,4133	17,6301
2	406	Shell-Thick	~449	23,199	17,0876	-14,6953	35,1529	5,1336
2	406	Shell-Thick	~450	-2,2039	23,2831	-24,3505	38,0231	-16,9439
2	407	Shell-Thick	~450	-11,0145	8,3365	-13,4081	15,1956	-17,8736
2	407	Shell-Thick	~449	33,0364	37,1685	-25,6353	60,8209	9,384
2	407	Shell-Thick	~451	6,8764	-22,7412	-8,6744	9,2299	-25,0947
2	407	Shell-Thick	~452	-38,273	-52,4616	3,5529	-37,4331	-53,3016
2	408	Shell-Thick	~452	-57,427	-95,746	34,8773	-36,7932	-116,3798
2	408	Shell-Thick	~451	15,758	-30,8187	-39,7975	38,5803	-53,641
12	408	Shell-Thick	~1	-91,4531	-125,99	2,1405	-91,321	-126,1221
12	408	Shell-Thick	78	-167,4392	-191,5915	76,8153	-101,7566	-257,2741
12	409	Shell-Thick	~436	7,4758	-108,5231	6,7013	7,8616	-108,909
12	409	Shell-Thick	~453	56,6352	-53,3662	-22,0374	60,8858	-57,6168
12	409	Shell-Thick	~454	32,4451	-5,0718	14,5679	37,4375	-10,0642
12	409	Shell-Thick	~437	-17,4619	-57,631	43,3066	10,1909	-85,2837
12	410	Shell-Thick	~437	-4,5393	-20,7816	29,5649	17,9996	-43,3205
12	410	Shell-Thick	~454	20,1178	-38,9449	27,8989	31,2122	-50,0393
12	410	Shell-Thick	~455	26,5729	6,337	8,7802	29,8514	3,0585
12	410	Shell-Thick	~439	3,0855	24,4959	10,4462	28,7481	-1,1667
12	411	Shell-Thick	~439	4,402	11,7519	8,4095	17,2544	-1,1005
12	411	Shell-Thick	~455	25,3367	19,4824	10,9506	33,7446	11,0744
12	411	Shell-Thick	~456	34,8222	52,0323	13,7006	59,6061	27,2484
12	411	Shell-Thick	~441	14,1131	44,8439	11,1596	48,4688	10,4882
12	412	Shell-Thick	~441	17,585	51,8968	14,6288	57,287	12,1948
12	412	Shell-Thick	~456	30,6518	41,4872	10,1763	47,5982	24,5409
12	412	Shell-Thick	~457	28,2128	56,8348	-0,6347	56,8488	28,1988
12	412	Shell-Thick	~443	15,4726	67,247	3,8178	67,527	15,1926
12	413	Shell-Thick	~443	15,4304	63,3449	1,4149	63,3867	15,3886
12	413	Shell-Thick	~457	28,6855	62,8889	1,8017	62,9836	28,5909

12	413	Shell-Thick	~458	29,3391	63,8106	-0,7949	63,829	29,3208
12	413	Shell-Thick	~445	16,0791	64,3004	-1,1817	64,3293	16,0502
12	414	Shell-Thick	~445	16,3156	68,0882	-2,4587	68,2047	16,1991
12	414	Shell-Thick	~458	28,813	58,5749	0,4971	58,5832	28,8047
12	414	Shell-Thick	~459	29,6552	44,4652	-9,5016	49,1065	25,0139
12	414	Shell-Thick	~447	16,9216	53,9372	-12,4574	57,7391	13,1196
12	415	Shell-Thick	~447	13,9821	48,2792	-10,5976	51,2895	10,9717
12	415	Shell-Thick	~459	33,2792	53,5456	-11,3944	58,6608	28,164
12	415	Shell-Thick	~460	26,3002	22,9784	-10,0537	34,8293	14,4493
12	415	Shell-Thick	~449	6,7599	17,2721	-9,257	22,6611	1,3709
12	416	Shell-Thick	~449	4,9008	25,626	-10,3516	29,9106	0,6163
12	416	Shell-Thick	~460	28,0047	13,8513	-8,8676	32,2732	9,5828
12	416	Shell-Thick	~461	21,4222	-30,3614	-22,5292	29,8517	-38,7909
12	416	Shell-Thick	~451	-2,6356	-18,7283	-24,0132	14,6435	-36,0073
12	417	Shell-Thick	~451	-13,3549	-46,261	-35,472	9,294	-68,9099
12	417	Shell-Thick	~461	33,1731	2,329	-11,4031	36,931	-1,4289
12	417	Shell-Thick	~7	51,8747	-46,0198	22,315	56,7215	-50,8666
12	417	Shell-Thick	~1	5,9113	-96,8974	-1,7538	5,9412	-96,9273
12	418	Shell-Thick	~453	23,3893	-54,6766	-6,1385	23,869	-55,1563
12	418	Shell-Thick	~462	42,2744	-44,7463	3,0674	42,3824	-44,8543
12	418	Shell-Thick	~463	62,2232	1,842	8,2558	63,3317	0,7336
12	418	Shell-Thick	~454	44,12	-8,0755	-0,9501	44,1373	-8,0928
12	419	Shell-Thick	~454	41,981	-31,4207	12,5602	44,0707	-33,5105
12	419	Shell-Thick	~463	56,4345	-14,452	-5,0677	56,7949	-14,8125
12	419	Shell-Thick	~464	42,3393	19,4748	6,2648	43,9433	17,8708
12	419	Shell-Thick	~455	27,5151	3,3738	23,8927	42,2131	-11,3242
12	420	Shell-Thick	~455	32,8671	23,0139	18,7965	47,3719	8,5091
12	420	Shell-Thick	~464	38,7419	8,6078	11,1877	42,4413	4,9084
12	420	Shell-Thick	~465	34,5582	34,6445	-1,6684	36,2703	32,9324
12	420	Shell-Thick	~456	29,161	48,8746	5,9405	50,5263	27,5093
12	421	Shell-Thick	~456	28,7475	42,0432	3,7015	43,0043	27,7865
12	421	Shell-Thick	~465	35,8906	46,0706	0,6512	46,1121	35,8491
12	421	Shell-Thick	~466	34,9826	59,6532	2,7348	59,9528	34,6831
12	421	Shell-Thick	~457	27,7997	55,8153	5,7852	56,9629	26,6521
12	422	Shell-Thick	~457	29,5171	63,1236	4,4811	63,7109	28,9298
12	422	Shell-Thick	~466	33,6748	54,3929	4,0132	55,1431	32,9246
12	422	Shell-Thick	~467	33,2135	54,9847	-3,9334	55,6736	32,5246
12	422	Shell-Thick	~458	29,0878	63,692	-3,4655	64,0356	28,7442
12	423	Shell-Thick	~458	27,6735	57,5571	-5,2262	58,4447	26,7859
12	423	Shell-Thick	~467	34,5343	60,6518	-2,1743	60,8316	34,3545
12	423	Shell-Thick	~468	35,7293	48,2915	-0,6968	48,3301	35,6907
12	423	Shell-Thick	~459	28,843	45,0927	-3,7487	45,9158	28,0199
12	424	Shell-Thick	~459	29,1392	50,8801	-5,5256	52,2039	27,8154
12	424	Shell-Thick	~468	34,8412	39,5445	1,1296	39,8018	34,584
12	424	Shell-Thick	~469	38,0221	14,5197	-9,323	41,2711	11,2706
12	424	Shell-Thick	~460	31,9478	25,9453	-15,9781	45,2041	12,689
12	425	Shell-Thick	~460	27,5272	10,7552	-20,5026	41,2925	-3,0101
12	425	Shell-Thick	~469	41,4818	24,9058	-4,9255	42,8349	23,5526
12	425	Shell-Thick	~470	53,2341	-8,8862	4,849	53,6103	-9,2625
12	425	Shell-Thick	~461	39,503	-23,7446	-10,728	41,2731	-25,5147
12	426	Shell-Thick	~461	41,6492	-0,9644	2,1691	41,7593	-1,0746
12	426	Shell-Thick	~470	59,4437	10,1124	-7,9149	60,6825	8,8736
12	426	Shell-Thick	~11	38,4064	-36,206	-1,6499	38,4429	-36,2424
12	426	Shell-Thick	~7	19,9861	-47,4089	8,434	21,0256	-48,4483
12	427	Shell-Thick	~462	54,0401	-41,3262	5,4497	54,3505	-41,6366
12	427	Shell-Thick	~471	48,8289	-41,8426	-4,8791	49,0907	-42,1044
12	427	Shell-Thick	~472	44,5252	-2,5689	-4,5805	44,9666	-3,0103

	427	Shell-Thick	~463	49,2981	-1,81	5,7484	49,9367	-2,4486
	428	Shell-Thick	~463	45,9542	-15,6858	2,9707	46,097	-15,8286
	428	Shell-Thick	~472	41,1276	-22,4007	-1,9464	41,1872	-22,4603
	428	Shell-Thick	~473	42,1289	13,3767	-6,5032	43,5314	11,9742
	428	Shell-Thick	~464	47,3468	19,614	-1,586	47,4372	19,5236
	429	Shell-Thick	~464	45,3201	10,4151	2,1193	45,4483	10,2869
	429	Shell-Thick	~473	42,8982	16,2887	-10,0789	46,2848	12,9021
	429	Shell-Thick	~474	33,156	39,9236	-4,9145	42,5066	30,573
	429	Shell-Thick	~465	35,2917	34,2996	7,2837	42,0962	27,495
	430	Shell-Thick	~465	37,6009	46,6498	4,2268	48,317	35,9338
	430	Shell-Thick	~474	33,2622	39,6508	-1,9352	40,1912	32,7217
	430	Shell-Thick	~475	28,2728	52,1476	-6,9556	54,0262	26,3942
	430	Shell-Thick	~466	32,7659	58,9728	-0,7937	58,9968	32,7419
	431	Shell-Thick	~466	31,7931	54,0249	-3,727	54,6331	31,185
	431	Shell-Thick	~475	30,3874	62,8045	-3,982	63,2865	29,9055
	431	Shell-Thick	~476	30,2263	63,3866	3,5384	63,76	29,8529
	431	Shell-Thick	~467	31,5837	54,6504	3,7934	55,2582	30,9759
	432	Shell-Thick	~467	32,594	60,0316	0,7697	60,0532	32,5724
	432	Shell-Thick	~476	28,4025	53,9376	6,5767	55,5319	26,8081
	432	Shell-Thick	~477	33,1749	42,6187	2,1425	43,0821	32,7116
	432	Shell-Thick	~468	37,2534	48,8285	-3,6646	49,8911	36,1908
	433	Shell-Thick	~468	35,4229	39,1837	-5,9817	43,5736	31,033
	433	Shell-Thick	~477	33,2086	43,2794	4,4127	44,9393	31,5487
2	433	Shell-Thick	~478	40,9919	20,296	8,2595	43,884	17,4038
2	433	Shell-Thick	~469	43,3671	16,0659	-2,1349	43,5331	15,9
2	434	Shell-Thick	~469	45,2444	24,7774	1,1606	45,31	24,7118
2	434	Shell-Thick	~478	41,0168	21,0955	5,0526	42,225	19,8873
2	434	Shell-Thick	~479	38,8361	-14,1407	2,5155	38,9553	-14,2598
2	434	Shell-Thick	~470	42,7651	-10,0991	-1,3766	42,801	-10,135
2	435	Shell-Thick	~470	46,5453	6,5071	-3,8861	46,919	6,1334
2	435	Shell-Thick	~479	41,8966	3,4564	4,9371	42,5206	2,8324
2	435	Shell-Thick	~15	44,4855	-35,9893	3,2099	44,6134	-36,1171
2	435	Shell-Thick	~11	49,3607	-32,9895	-5,6134	49,7416	-33,3704
2	436	Shell-Thick	~471	42,3269	-45,7936	0,4564	42,3292	-45,7959
2	436	Shell-Thick	~480	12,4011	-64,6738	3,661	12,5746	-64,8473
2	436	Shell-Thick	~481	25,9129	-15,1387	-6,5024	26,9182	-16,144
2	436	Shell-Thick	~472	56,0029	2,3772	-9,707	57,7059	0,6742
2	437	Shell-Thick	~472	47,2987	-22,7653	-1,7159	47,3407	-22,8073
2	437	Shell-Thick	~481	25,9642	-33,2608	-14,3403	29,2537	-36,5504
2	437	Shell-Thick	~482	18,4992	4,1999	-19,4581	32,0796	-9,3805
2	437	Shell-Thick	~473	39,3868	14,4271	-6,8337	41,1353	12,6786
2	438	Shell-Thick	~473	37,3334	14,4143	-7,8388	39,758	11,9897
2	438	Shell-Thick	~482	22,1237	12,0683	-18,5238	36,29	-2,098
2	438	Shell-Thick	~483	14,4101	38,1202	-17,7462	47,607	4,9234
2	438	Shell-Thick	~474	29,7275	39,9994	-7,0613	43,595	26,1319
2	439	Shell-Thick	~474	28,3845	38,2891	-10,8961	45,3055	21,3681
2	439	Shell-Thick	~483	18,1372	51,7515	-13,8114	56,6983	13,1904
2	439	Shell-Thick	~484	17,6046	65,7059	-0,9872	65,7262	17,5844
2	439	Shell-Thick	~475	27,5237	52,3839	1,9282	52,5326	27,375
)	440	Shell-Thick	~475	29,0603	62,4861	0,4077	62,491	29,0553
2	440	Shell-Thick	~484	16,6468	58,4979	0,4919	58,5036	16,6411
2	440	Shell-Thick	~485	16,905	59,2908	-0,7569	59,3043	16,8915
2	440	Shell-Thick	~476	29,3162	63,2577	-0,841	63,2785	29,2954
2	441	Shell-Thick	~476	27,7716	54,0679	-1,8013	54,1907	27,6488
2	441	Shell-Thick	~485	18,1452	66,9584	0,1854	66,9591	18,1445
2	441	Shell-Thick	~486	17,881	54,2139	12,5555	58,1304	13,9645
2	441	Shell-Thick	~477	27,702	41,2677	10,5687	47,0429	21,9268

12	442	Shell-Thick	~477	28,8565	43,0552	5,9318	45,2072	26,7045
12	442	Shell-Thick	~486	14,5014	41,3006	17,2678	49,7579	6,044
12	442	Shell-Thick	~487	23,3005	16,7899	18,0101	38,3471	1,7432
12	442	Shell-Thick	~478	37,5432	18,96	6,6741	39,6918	16,8114
12	443	Shell-Thick	~478	40,0171	22,3116	7,6389	42,8573	19,4715
12	443	Shell-Thick	~487	19,9955	9,283	17,0043	32,4672	-3,1887
12	443	Shell-Thick	~488	23,7	-27,9345	9,3493	25,3407	-29,5752
12	443	Shell-Thick	~479	43,9928	-14,5254	-0,0162	43,9928	-14,5254
12	444	Shell-Thick	~479	51,8556	7,8604	6,6678	52,8439	6,8721
12	444	Shell-Thick	~488	25,2479	-3,2669	2,7645	25,5135	-3,5324
12	444	Shell-Thick	~19	10,9713	-52,0825	-2,5655	11,0755	-52,1867
12	444	Shell-Thick	~15	37,5149	-39,7957	1,3378	37,538	-39,8189
12	445	Shell-Thick	~480	32,0081	-67,9983	17,4284	34,9584	-70,9485
12	445	Shell-Thick	~489	-29,0168	-126,4165	6,8132	-28,5425	-126,8907
12	445	Shell-Thick	~490	-29,097	-63,1682	-30,8713	-10,8729	-81,3923
12	445	Shell-Thick	~481	31,473	-6,7808	-20,2561	40,2055	-15,5133
12	446	Shell-Thick	~481	17,7668	-38,9813	-17,4394	22,6977	-43,9122
12	446	Shell-Thick	~490	-18,267	-45,348	-33,6588	4,4728	-68,0878
12	446	Shell-Thick	~491	-28,5346	0,919	-32,4699	21,8457	-49,4613
12	446	Shell-Thick	~482	7,3587	6,0527	-16,2506	22,9694	-9,558
12	447	Shell-Thick	~482	3,199	6,0838	-27,0788	31,7586	-22,4758
12	447	Shell-Thick	~491	-19,9667	22,9292	-21,4362	31,8049	-28,8425
12	447	Shell-Thick	~492	-5,8183	57,4039	-3,7084	57,6207	-6,0351
12	447	Shell-Thick	~483	16,3768	40,7132	-9,351	43,8912	13,1988
12	448	Shell-Thick	~483	15,7939	50,1507	-7,1308	51,5719	14,3727
12	448	Shell-Thick	~492	-5,7994	45,1463	-6,0374	45,852	-6,5051
12	448	Shell-Thick	~493	-0,9375	62,6582	-6,5262	63,321	-1,6003
12	448	Shell-Thick	~484	20,496	67,4163	-7,6196	68,6227	19,2896
12	449	Shell-Thick	~484	17,936	58,6257	-6,9645	59,7848	16,7769
12	449	Shell-Thick	~493	1,6943	71,8078	-7,162	72,5319	0,9702
12	449	Shell-Thick	~494	1,689	72,7592	6,4903	73,3471	1,1011
12	449	Shell-Thick	~485	17,8542	59,6106	6,6878	60,6556	16,8092
12	450	Shell-Thick	~485	20,0219	68,1988	6,7625	69,1301	19,0907
12	450	Shell-Thick	~494	-0,6761	63,1844	6,4164	63,8227	-1,3144
12	450	Shell-Thick	~495	-4,178	47,8738	5,6028	48,47	-4,7743
12	450	Shell-Thick	~486	16,6235	53,0973	5,9489	54,0431	15,6778
12	451	Shell-Thick	~486	16,7887	43,6165	8,9974	46,3546	14,0506
12	451	Shell-Thick	~495	-3,7513	60,3139	2,4658	60,4087	-3,8461
12	451	Shell-Thick	~496	-18,5139	27,6248	19,8834	35,0111	-25,9002
12	451	Shell-Thick	~487	2,8182	10,835	26,415	33,544	-19,8908
12	452	Shell-Thick	~487	6,3236	10,2359	13,3754	21,7975	-5,238
12	452	Shell-Thick	~496	-26,9414	3,6137	33,1153	24,8057	-48,1334
12	452	Shell-Thick	~497	-11,841	-39,9017	32,6293	9,6466	-61,3893
12	452	Shell-Thick	~488	21,4354	-32,0747	12,8894	24,3783	-35,0176
12	453	Shell-Thick	~488	35,4869	5,4035	20,7494	46,0731	-5,1827
12	453	Shell-Thick	~497	-21,338	-54,6074	24,8167	-8,0966	-67,8488
12	453	Shell-Thick	~23	-28,8779	-117,3687	-16,5515	-25,8834	-120,3631
12	453	Shell-Thick	~19	28,144	-55,2706	-20,6188	32,9623	-60,0889
12	454	Shell-Thick	~489	-85,3305	-151,0339	13,8468	-82,5316	-153,8328
12	454	Shell-Thick	86	-181,1433	-233,831	28,3398	-168,7942	-246,1801
12	454	Shell-Thick	~376	-143,5041	-133,0725	-23,3108	-114,4011	-162,1755
12	454	Shell-Thick	~490	-48,6769	-53,7295	-37,8039	-13,315	-89,0914
12	455	Shell-Thick	~490	-63,3027	-61,6024	-47,1003	-15,3446	-109,5605
12	455	Shell-Thick	~376	-111,3474	-37,5453	-13,5567	-35,1339	-113,7589
12	455	Shell-Thick	~378	-55,1332	35,8045	14,1594	37,9582	-57,2869
12	455	Shell-Thick	~491	-9,7514	11,9228	-19,3842	23,2936	-21,1222
12	456	Shell-Thick	~491	-16,105	19,3422	-9,4283	21,6939	-18,4567

	456	Shell-Thick	~378	-53,6255	4,1562	3,9473	4,4246	-53,8939
	456	Shell-Thick	~380	-28,0813	50,1364	-2,2488	50,201	-28,1459
	456	Shell-Thick	~492	8,6528	64,6575	-15,6244	68,7216	4,5888
	457	Shell-Thick	~492	0,5555	44,358	-12,0113	47,4355	-2,5219
	457	Shell-Thick	~380	-23,3993	53,3595	-5,8016	53,7955	-23,8353
	457	Shell-Thick	~382	-10,9906	76,2469	5,5675	76,6008	-11,3445
	457	Shell-Thick	~493	12,1963	67,3442	-0,6422	67,3517	12,1888
	458	Shell-Thick	~493	11,9427	73,6507	2,2642	73,7337	11,8598
	458	Shell-Thick	~382	-12,2079	62,5861	2,5778	62,6749	-12,2967
	458	Shell-Thick	~384	-11,51	64,1075	-2,6138	64,1978	-11,6002
	458	Shell-Thick	~494	12,5995	75,1481	-2,9273	75,2848	12,4628
	459	Shell-Thick	~494	12,0029	67,307	0,2578	67,3082	12,0017
	459	Shell-Thick	~384	-9,9554	76,7387	-5,8653	77,1338	-10,3504
	459	Shell-Thick	~386	-21,5741	56,8127	5,7107	57,2266	-21,988
	459	Shell-Thick	~495	0,9691	47,3163	11,8337	50,163	-1,8775
	460	Shell-Thick	~495	8,1557	66,4608	14,7713	69,9895	4,627
	460	Shell-Thick	~386	-26,0655	51,1441	2,8248	51,2473	-26,1687
	460	Shell-Thick	~388	-49,1014	8,769	-4,4482	9,1089	-49,4413
	460	Shell-Thick	~496	-14,2516	24,7118	7,4984	26,105	-15,6448
	461	Shell-Thick	~496	-9,6483	13,3965	18,1948	23,4104	-19,6623
	461	Shell-Thick	~388	-49,5689	40,7637	-15,3881	43,3131	-52,1183
	461	Shell-Thick	~390	-104,9421	-28,8062	14,3142	-26,2039	-107,5443
	461	Shell-Thick	~497	-62,6329	-56,3843	47,8971	-11,5098	-107,5075
	462	Shell-Thick	~497	-49,4397	-48,0478	34,4085	-14,3282	-83,1593
	462	Shell-Thick	~390	-138,0849	-136,8903	28,2992	-109,1821	-165,7931
	462	Shell-Thick	79	-164,0921	-231,1827	-32,3787	-151,0148	-244,2601
	462	Shell-Thick	~23	-75,015	-138,7761	-26,2694	-65,5864	-148,2047
	463	Shell-Thick	92	-108,3775	-76,1411	-40,6262	-48,5525	-135,9661
	463	Shell-Thick	~498	-54,3457	-49,9954	7,1611	-44,6864	-59,6548
	463	Shell-Thick	~499	13,7627	4,8739	20,2457	30,0461	-11,4095
	463	Shell-Thick	~500	-38,224	-21,1132	-27,5416	-0,8288	-58,5084
	464	Shell-Thick	~500	-29,3847	-7,3232	-10,5951	-3,059	-33,6489
	464	Shell-Thick	~499	8,5178	9,0556	3,4748	12,2719	5,3015
	464	Shell-Thick	~501	30,5524	34,8509	10,7922	43,7058	21,6975
	464	Shell-Thick	~502	-6,7886	18,8906	-3,2777	19,3024	-7,2003
	465	Shell-Thick	~502	-3,0651	27,4841	8,8664	29,8709	-5,452
	465	Shell-Thick	~501	27,0687	27,4565	-1,3499	28,6264	25,8988
	465	Shell-Thick	~503	14,6707	28,0723	-6,413	30,6466	12,0964
	465	Shell-Thick	~504	-15,304	28,0314	3,8034	28,3627	-15,6353
	466	Shell-Thick	~504	-15,8494	32,8617	-8,4043	34,2709	-17,2587
	466	Shell-Thick	~503	15,8792	26,558	5,8908	29,1691	13,2681
	466	Shell-Thick	~505	30,4354	10,3828	-4,8203	31,5339	9,2843
	466	Shell-Thick	~506	-2,0801	16,6094	-19,1154	28,5419	-14,0127
	467	Shell-Thick	~506	-11,0028	-1,8098	4,7517	0,2047	-13,0173
	467	Shell-Thick	~505	41,9519	41,7715	-28,7017	70,5635	13,1599
	467	Shell-Thick	~507	-7,4199	-4,1559	-0,5813	-4,0555	-7,5204
	467	Shell-Thick	~508	-61,5535	-48,5108	32,872	-21,5195	-88,5448
	468	Shell-Thick	~508	-62,1803	2,6131	49,5648	29,4297	-88,9969
	468	Shell-Thick	~507	-3,1923	-37,2755	-16,8436	3,727	-44,1948
	468	Shell-Thick	~436	-97,5537	-116,0951	-61,1521	-44,9736	-168,6753
	468	Shell-Thick	85	-160,7978	-75,5022	5,2562	-75,1795	-161,1205
	469	Shell-Thick	~498	6,1867	-32,1556	7,5451	7,6181	-33,587
	469	Shell-Thick	~509	39,1333	-10,6838	-6,8864	40,0677	-11,6182
	469	Shell-Thick	~510	27,0297	15,3429	5,1363	28,9662	13,4064
	469	Shell-Thick	~499	-6,1947	-4,8509	19,5678	14,0566	-25,1021
	470	Shell-Thick	~499	-0,4169	9,9427	12,1508	17,9717	-8,4459
	470	Shell-Thick	~510	21,6227	2,4031	12,3384	27,6521	-3,6262

3	470	Shell-Thick	~511	24,899	19,3857	2,372	25,7791	18,5056
3	470	Shell-Thick	~501	3,5116	26,7687	2,1844	26,9721	3,3082
13	471	Shell-Thick	~501	3,8689	23,1842	-0,7833	23,2159	3,8372
13	471	Shell-Thick	~511	23,9394	19,9583	5,4681	27,768	16,1297
13	471	Shell-Thick	~512	32,4549	23,6331	-0,8065	32,5281	23,56
13	471	Shell-Thick	~503	12,1042	27,1914	-7,058	29,9784	9,3173
13	472	Shell-Thick	~503	10,3199	22,7153	-0,2098	22,7188	10,3163
13	472	Shell-Thick	~512	34,4527	29,1765	-7,7476	39,9991	23,6302
13	472	Shell-Thick	~513	22,1316	13,5819	-6,1494	25,346	10,3675
13	472	Shell-Thick	~505	-2,0332	6,62	1,3884	6,8373	-2,2505
13	473	Shell-Thick	~505	-0,7489	27,9907	-0,0141	27,9907	-0,7489
13	473	Shell-Thick	~513	22,0272	-1,8896	-4,5344	22,858	-2,7204
13	473	Shell-Thick	~514	11,6207	-30,3171	-33,9498	30,5552	-49,2516
13	473	Shell-Thick	~507	-12,5975	0,0491	-29,4294	23,8269	-36,3752
13	474	Shell-Thick	~507	-27,6683	-51,3541	-50,6752	12,5295	-91,5519
13	474	Shell-Thick	~514	19,5433	-14,6549	-13,1335	24,005	-19,1166
13	474	Shell-Thick	~453	58,4431	-46,1254	10,8973	59,5667	-47,2489
13	474	Shell-Thick	~436	11,8129	-85,0384	-26,6444	18,659	-91,8845
13	475	Shell-Thick	~509	19,8298	-11,7044	-2,8225	20,0804	-11,955
13	475	Shell-Thick	~515	33,6079	-4,183	1,945	33,7078	-4,2828
13	475	Shell-Thick	~516	44,1635	20,8332	6,0346	45,632	19,3647
13	475	Shell-Thick	~510	30,8573	13,2683	1,2671	30,9481	13,1775
13	476	Shell-Thick	~510	30,4271	5,382	7,2177	32,3582	3,4508
13	476	Shell-Thick	~516	40,4091	7,7962	0,2042	40,4104	7,795
13	476	Shell-Thick	~517	34,504	19,9687	0,3335	34,5116	19,9611
13	476	Shell-Thick	~511	24,2139	18,0307	7,347	29,0933	13,1514
13	477	Shell-Thick	~511	24,9742	20,2342	4,156	27,3885	17,8199
13	477	Shell-Thick	~517	33,7107	17,5999	3,3918	34,3957	16,915
13	477	Shell-Thick	~518	32,9973	19,6885	-0,1396	32,9988	19,6871
13	477	Shell-Thick	~512	24,5951	21,9922	0,6246	24,7372	21,85
13	478	Shell-Thick	~512	24,9442	25,9371	-0,74	26,3318	24,5495
13	478	Shell-Thick	~518	32,0477	12,7411	1,3715	32,1446	12,6441
13	478	Shell-Thick	~519	32,791	1,9507	-11,1808	36,4179	-1,6762
13	478	Shell-Thick	~513	25,1069	15,5147	-13,2924	34,442	6,1796
13	479	Shell-Thick	~513	20,0987	-4,5722	-21,6794	32,7063	-17,1799
13	479	Shell-Thick	~519	34,1745	3,914	-2,993	34,4677	3,6208
13	479	Shell-Thick	~520	53,215	-13,1751	2,1647	53,2855	-13,2456
13	479	Shell-Thick	~514	39,57	-22,4303	-16,5217	43,6978	-26,5581
13	480	Shell-Thick	~514	38,7501	-15,6652	-4,1221	39,0606	-15,9757
13	480	Shell-Thick	~520	56,983	-5,1997	-10,031	58,5611	-6,7778
13	480	Shell-Thick	~462	43,7581	-37,6604	-4,3766	43,9927	-37,895
13	480	Shell-Thick	~453	24,6517	-48,032	1,5323	24,6839	-48,0643
13	481	Shell-Thick	~515	42,2478	-1,9235	5,3567	42,8882	-2,5638
13	481	Shell-Thick	~521	37,3212	-6,1533	-1,8581	37,4004	-6,2326
13	481	Shell-Thick	~522	32,8092	14,6359	-4,6647	33,9366	13,5085
13	481	Shell-Thick	~516	37,5174	18,9725	2,5501	37,8617	18,6282
13	482	Shell-Thick	~516	34,8682	6,9924	-0,5336	34,8784	6,9822
13	482	Shell-Thick	~522	31,7784	8,2158	-1,6768	31,8971	8,0971
13	482	Shell-Thick	~523	32,8502	21,6172	0,0648	32,8506	21,6169
13	482	Shell-Thick	~517	36,2889	20,0213	1,208	36,3782	19,9321
13	483	Shell-Thick	~517	35,8114	18,003	2,315	36,1074	17,707
13	483	Shell-Thick	~523	31,7183	15,5879	-0,9234	31,771	15,5352
13	483	Shell-Thick	~524	28,191	16,8098	-2,4165	28,6828	16,318
13	483	Shell-Thick	~518	31,9994	19,506	0,822	32,0532	19,4521
13	484	Shell-Thick	~518	30,6015	12,1622	-6,0067	32,3856	10,3781
13	484	Shell-Thick	~524	27,5833	14,1255	4,2893	28,8341	12,8747
13	484	Shell-Thick	~525	38,3221	6,379	6,6538	39,6527	5,0484

	484	Shell-Thick	~519	41,757	4,0335	-3,6422	42,1055	3,6851
	485	Shell-Thick	~519	42,1188	4,9038	0,2697	42,1207	4,9018
	485	Shell-Thick	~525	37,3325	2,3691	2,8904	37,5698	2,1318
	485	Shell-Thick	~526	36,6922	-17,9781	1,3363	36,7248	-18,0107
	485	Shell-Thick	~520	41,1047	-14,9981	-1,2843	41,1341	-15,0275
	486	Shell-Thick	~520	42,7449	-9,1081	-7,2569	43,7414	-10,1046
	486	Shell-Thick	~526	37,825	-10,003	7,1585	38,8734	-11,0515
	486	Shell-Thick	~471	50,1387	-34,7999	7,4156	50,7812	-35,4425
	486	Shell-Thick	~462	55,556	-34,24	-6,9998	56,0984	-34,7824
	487	Shell-Thick	~521	33,3889	-8,3588	-3,4782	33,6767	-8,6466
	487	Shell-Thick	~527	12,0146	-12,3684	-2,7002	12,31	-12,6638
	487	Shell-Thick	~528	18,1244	14,1686	-2,1515	19,069	13,224
	487	Shell-Thick	~522	39,6146	17,416	-2,9296	39,9947	17,0359
	488	Shell-Thick	~522	35,9269	8,3777	0,6598	35,9427	8,3619
	488	Shell-Thick	~528	17,3895	1,0944	-5,6485	19,156	-0,672
	488	Shell-Thick	~529	12,5243	14,6855	-8,6586	22,3306	4,8792
	488	Shell-Thick	~523	30,8447	21,8839	-2,3502	31,4237	21,3049
	489	Shell-Thick	~523	28,9883	15,0932	-4,8985	30,5415	13,5399
	489	Shell-Thick	~529	14,0164	19,6545	-6,1974	23,6439	10,027
	489	Shell-Thick	~530	12,585	21,6748	0,3851	21,6911	12,5687
	489	Shell-Thick	~524	27,9854	16,7175	-1,684	28,2317	16,4712
	490	Shell-Thick	~524	28,0681	14,645	0,647	28,0992	14,6139
	490	Shell-Thick	~530	12,3444	22,9577	1,5381	23,1761	12,126
3	490	Shell-Thick	~531	11,2477	11,68	11,0789	22,5448	0,3829
3	490	Shell-Thick	~525	26,8922	3,6704	10,1878	30,7281	-0,1655
3	491	Shell-Thick	~525	28,0158	1,8084	1,6955	28,125	1,6992
3	491	Shell-Thick	~531	7,166	-1,2483	19,4976	22,9052	-16,9875
3	491	Shell-Thick	~532	24,7395	-20,5191	20,4475	32,6092	-28,3888
3	491	Shell-Thick	~526	46,0966	-17,3998	2,6455	46,2066	-17,5099
3	492	Shell-Thick	~526	51,6352	-5,0559	11,9429	54,0484	-7,4691
3	492	Shell-Thick	~532	21,4077	-21,8292	11,2752	24,1714	-24,5928
3	492	Shell-Thick	~480	13,8611	-55,9443	1,7883	13,9069	-55,9901
3	492	Shell-Thick	~471	44,1342	-38,186	2,456	44,2074	-38,2592
3	493	Shell-Thick	~527	23,9776	-13,894	7,2224	25,3082	-15,2246
3	493	Shell-Thick	~533	-19,512	-45,9148	3,0155	-19,172	-46,2548
13	493	Shell-Thick	~534	-17,6901	-11,4077	-16,2869	2,0381	-31,136
13	493	Shell-Thick	~528	25,4795	19,5578	-12,08	34,9562	10,0811
13	494	Shell-Thick	~528	17,8253	-0,4603	-9,6681	21,989	-4,624
13	494	Shell-Thick	~534	-11,9016	-0,7181	-18,7251	13,2323	-25,852
13	494	Shell-Thick	~535	-19,6913	16,3509	-13,6003	20,9069	-24,2473
13	494	Shell-Thick	~529	10,2345	15,8694	-4,5434	18,398	7,7059
13	495	Shell-Thick	~529	9,766	18,8248	-9,2204	24,5682	4,0226
13	495	Shell-Thick	~535	-16,1863	28,5779	-8,7969	30,2446	-17,853
13	495	Shell-Thick	~536	-15,0946	30,8155	3,7167	31,1144	-15,3936
13	495	Shell-Thick	~530	10,6389	21,2652	3,2932	22,203	9,7011
13	496	Shell-Thick	~530	12,2663	24,3885	3,0754	25,1241	11,5307
13	496	Shell-Thick	~536	-17,026	26,1724	3,8161	26,5069	-17,3605
13	496	Shell-Thick	~537	-19,3173	12,0771	10,3962	15,2076	-22,4478
13	496	Shell-Thick	~531	10,6998	10,124	9,6555	20,0717	0,7521
13	497	Shell-Thick	~531	12,6678	3,0312	11,6577	20,4637	-4,7647
13	497	Shell-Thick	~537	-21,9294	15,9492	8,4586	17,7523	-23,7324
13	497	Shell-Thick	~538	-32,4297	-15,6389	25,0629	2,3973	-50,4659
13	497	Shell-Thick	~532	2,8673	-28,0727	28,262	19,5163	-44,8217
13	498	Shell-Thick	~532	11,2437	-17,6832	13,8283	16,7906	-23,2301
13	498	Shell-Thick	~538	-44,6978	-45,4866	39,57	-5,5202	-84,6641
13	498	Shell-Thick	~489	-21,9167	-87,1239	24,9924	-13,4397	-95,6009
13	498	Shell-Thick	~480	34,7783	-57,9396	-0,7492	34,7843	-57,9457

13	499	Shell-Thick	~533	-40,7801	-57,5242	7,3052	-38,041	-60,2633
13	499	Shell-Thick	93	-106,2312	-104,4191	15,6902	-89,6089	-121,0415
13	499	Shell-Thick	~539	-84,9811	-49,4682	-12,1148	-45,7291	-88,7202
13	499	Shell-Thick	~534	-20,073	-4,5285	-20,4997	9,6229	-34,2244
13	500	Shell-Thick	~534	-27,3218	-6,7832	-24,3697	9,3926	-43,4976
13	500	Shell-Thick	~539	-67,3658	4,6191	-7,9966	5,4967	-68,2434
13	500	Shell-Thick	~540	-40,8895	34,0502	8,2	34,937	-41,7763
13	500	Shell-Thick	~535	-2,1545	22,8393	-8,1732	25,2746	-4,5899
13	501	Shell-Thick	~535	-2,8706	31,0794	-1,7838	31,1729	-2,9641
13	501	Shell-Thick	~540	-41,0183	21,5856	1,6068	21,6268	-41,0595
13	501	Shell-Thick	~541	-36,3323	25,2786	0,1933	25,2792	-36,3329
13	501	Shell-Thick	~536	2,1001	34,416	-3,1974	34,7293	1,7868
13	502	Shell-Thick	~536	3,5363	33,0199	2,4316	33,2191	3,3371
13	502	Shell-Thick	~541	-35,8535	36,2497	-5,4148	36,6541	-36,2579
13	502	Shell-Thick	~542	-50,107	14,1002	3,8763	14,3334	-50,3402
13	502	Shell-Thick	~537	-10,089	11,1877	11,7226	16,3795	-15,2809
13	503	Shell-Thick	~537	-0,9668	26,4471	16,0191	33,8231	-8,3428
13	503	Shell-Thick	~542	-55,5151	17,4118	-0,5509	17,4159	-55,5192
13	503	Shell-Thick	~543	-86,2276	-30,7582	1,0442	-30,7386	-86,2472
13	503	Shell-Thick	~538	-29,7569	-21,4097	17,6142	-7,4814	-43,6852
13	504	Shell-Thick	~538	-19,2043	-29,0969	26,565	2,871	-51,1722
13	504	Shell-Thick	~543	-98,3431	-30,8857	-7,9485	-29,9618	-99,267
13	504	Shell-Thick	86	-157,9243	-112,0596	3,6828	-111,7658	-158,2181
13	504	Shell-Thick	~489	-75,8279	-109,1971	38,1962	-50,8313	-134,1938
14	505	Shell-Thick	93	-99,3858	-103,032	-12,6777	-88,4008	-114,017
14	505	Shell-Thick	~544	-33,9974	-54,0401	-8,8685	-30,6368	-57,4008
14	505	Shell-Thick	~545	-19,2804	-2,4101	19,5695	10,4648	-32,1552
14	505	Shell-Thick	~539	-84,1473	-49,3194	15,7603	-43,2465	-90,2203
14	506	Shell-Thick	~539	-66,9665	4,7303	8,6042	5,7485	-67,9846
14	506	Shell-Thick	~545	-26,7987	-8,1473	26,4794	10,6007	-45,5466
14	506	Shell-Thick	~546	-0,5381	21,5866	9,6442	25,2003	-4,1518
14	506	Shell-Thick	~540	-39,4891	34,299	-8,231	35,206	-40,3961
14	507	Shell-Thick	~540	-39,7625	21,8174	0,4289	21,8203	-39,7655
14	507	Shell-Thick	~546	-0,9247	30,7683	1,1719	30,8116	-0,968
14	507	Shell-Thick	~547	0,6361	33,5072	1,9978	33,6282	0,5151
14	507	Shell-Thick	~541	-38,4237	24,8797	1,2548	24,9045	-38,4486
14	508	Shell-Thick	~541	-37,9155	35,7796	4,0814	36,0049	-38,1409
14	508	Shell-Thick	~547	1,9558	31,7467	-0,8365	31,7702	1,9324
14	508	Shell-Thick	~548	-7,6954	10,8317	-10,5122	15,5796	-12,4433
14	508	Shell-Thick	~542	-48,2066	14,538	-5,5944	15,0329	-48,7015
14	509	Shell-Thick	~542	-53,3482	17,7633	1,5749	17,7982	-53,383
14	509	Shell-Thick	~548	0,9673	25,2121	-17,5679	34,4341	-8,2547
14	509	Shell-Thick	~549	-30,2067	-22,8413	-20,3096	-5,8832	-47,1648
14	509	Shell-Thick	~543	-86,31	-30,6929	-1,1668	-30,6684	-86,3345
14	510	Shell-Thick	~543	-97,6856	-30,7771	2,7182	-30,6668	-97,7958
14	510	Shell-Thick	~549	-19,7724	-27,4631	-24,162	0,8484	-48,0839
14	510	Shell-Thick	~374	-65,5388	-105,133	-33,8358	-46,1341	-124,5377
14	510	Shell-Thick	86	-146,1826	-109,6884	-6,9556	-108,4077	-147,4633
14	511	Shell-Thick	~544	-18,9411	-43,6255	-3,1387	-18,5482	-44,0183
14	511	Shell-Thick	~550	22,7048	-13,8197	-4,2816	23,2	-14,315
14	511	Shell-Thick	~551	28,0983	20,0836	12,7769	37,4816	10,7003
14	511	Shell-Thick	~545	-13,2573	-8,6089	13,9199	3,1795	-25,0457
14	512	Shell-Thick	~545	-8,4535	-1,4905	19,7044	15,0376	-24,9816
14	512	Shell-Thick	~551	20,7868	0,4269	7,0015	22,9621	-1,7483
14	512	Shell-Thick	~552	9,1064	15,8782	3,5204	17,3767	7,6079
14	512	Shell-Thick	~546	-20,2425	14,6581	16,2233	21,0344	-26,6189
14	513	Shell-Thick	~546	-16,6461	27,8008	8,2904	29,2968	-18,1421

	513	Shell-Thick	~552	8,2224	16,2974	11,3574	24,3136	0,2062
	513	Shell-Thick	~553	12,3519	19,3486	-1,9792	19,8697	11,8308
	513	Shell-Thick	~547	-12,3935	30,7245	-5,0463	31,3072	-12,9763
	514	Shell-Thick	~547	-14,3607	25,6285	-2,316	25,7621	-14,4944
	514	Shell-Thick	~553	14,0461	23,0797	-4,6316	25,0323	12,0935
	514	Shell-Thick	~554	8,7239	8,5931	-11,3786	20,0373	-2,7203
	514	Shell-Thick	~548	-20,2426	11,1772	-9,063	13,6039	-22,6693
	515	Shell-Thick	~548	-22,8058	14,1224	-11,2958	17,3035	-25,987
	515	Shell-Thick	~554	10,5475	1,9497	-9,1748	16,3806	-3,8834
	515	Shell-Thick	~555	7,4686	-27,5133	-24,3732	19,9774	-40,0221
	515	Shell-Thick	~549	-26,6056	-15,786	-26,4941	5,845	-48,2366
	516	Shell-Thick	~549	-37,7592	-42,4509	-35,9071	-4,1214	-76,0887
	516	Shell-Thick	~555	15,7377	-15,2701	-15,0651	21,8516	-21,384
	516	Shell-Thick	~391	32,1241	-56,2894	-1,052	32,1366	-56,3019
	516	Shell-Thick	~374	-21,9761	-85,0299	-21,8941	-15,1194	-91,8866
	517	Shell-Thick	~550	15,0661	-11,5989	3,9597	15,6416	-12,1745
	517	Shell-Thick	~556	33,9536	-6,7846	1,2084	33,9894	-6,8204
	517	Shell-Thick	~557	35,7872	18,3047	1,8121	35,9731	18,1189
	517	Shell-Thick	~551	16,9204	14,0994	4,5633	20,2863	10,7335
	518	Shell-Thick	~551	15,9143	1,0867	4,5117	17,1792	-0,1782
	518	Shell-Thick	~557	31,7812	6,2565	1,8203	31,9104	6,1274
	518	Shell-Thick	~558	31,4501	20,5404	3,3812	32,413	19,5774
	518	Shell-Thick	~552	15,676	15,5579	6,0726	21,6898	9,5441
	519	Shell-Thick	~552	16,5893	17,9197	7,271	24,5559	9,9531
	519	Shell-Thick	~558	29,7518	14,2536	2,2153	30,0623	13,9432
	519	Shell-Thick	~559	24,1451	15,1957	-3,0127	25,0647	14,276
	519	Shell-Thick	~553	10,7651	19,0823	2,043	19,5571	10,2904
	520	Shell-Thick	~553	10,6695	20,9681	-3,0775	21,8177	9,8199
	520	Shell-Thick	~559	23,8772	11,4925	2,0574	24,21	11,1597
	520	Shell-Thick	~560	28,0063	1,9156	-7,7377	30,1284	-0,2066
	520	Shell-Thick	~554	14,7217	11,2289	-12,8726	25,9658	-0,0152
	521	Shell-Thick	~554	10,9196	-1,137	-16,7637	22,706	-12,9234
	521	Shell-Thick	~560	29,4424	2,4515	-3,8419	29,9786	1,9153
	521	Shell-Thick	~561	40,6832	-17,5993	-3,8383	40,9349	-17,851
	521	Shell-Thick	~555	21,9095	-21,464	-16,7602	27,6311	-27,1856
	522	Shell-Thick	~555	19,4042	-20,52	-12,5226	23,0069	-24,1227
	522	Shell-Thick	~561	45,9617	-4,6771	-8,1213	47,2323	-5,9477
	522	Shell-Thick	~400	44,8016	-36,4918	0,7604	44,8087	-36,4989
	522	Shell-Thick	~391	18,0229	-53,1265	-3,6409	18,2087	-53,3124
	523	Shell-Thick	~556	33,7124	-5,6553	1,1898	33,7483	-5,6912
	523	Shell-Thick	~562	34,1255	-4,7289	-2,0782	34,2363	-4,8397
	523	Shell-Thick	~563	34,7662	17,8164	-1,3713	34,8764	17,7062
	523	Shell-Thick	~557	34,4035	16,8504	1,8967	34,6061	16,6478
	524	Shell-Thick	~557	32,4439	6,9119	2,8761	32,7639	6,5919
	524	Shell-Thick	~563	32,4294	6,2728	-2,328	32,635	6,0672
	524	Shell-Thick	~564	28,8681	18,768	-2,8851	29,6341	18,002
	524	Shell-Thick	~558	28,8107	19,4896	2,3191	29,3558	18,9445
	525	Shell-Thick	~558	27,6913	13,8426	-0,5903	27,7164	13,8175
	525	Shell-Thick	~564	27,9821	14,3876	-0,0039	27,9821	14,3876
	525	Shell-Thick	~565	29,0996	16,7686	0,4314	29,1147	16,7535
	525	Shell-Thick	~559	28,8826	16,1421	-0,155	28,8845	16,1402
	526	Shell-Thick	~559	27,992	11,8476	-2,7101	28,4347	11,4049
	526	Shell-Thick	~565	28,0914	11,5686	3,0166	28,6249	11,0351
	526	Shell-Thick	~566	33,1482	3,0142	2,7333	33,3941	2,7682
	526	Shell-Thick	~560	32,9604	3,3742	-2,9934	33,2602	3,0744
	527	Shell-Thick	~560	32,6307	2,0282	-3,9437	33,1307	1,5281
	527	Shell-Thick	~566	33,0704	2,3224	3,6495	33,4976	1,8952

	527	Shell-Thick	~567	38,1154	-16,7122	3,8718	38,3875	-16,9843
	527	Shell-Thick	~561	37,763	-17,1224	-3,7214	38,0142	-17,3736
	528	Shell-Thick	~561	39,5076	-7,8949	-3,8	39,8102	-8,1976
	528	Shell-Thick	~567	40,0496	-7,5458	3,9848	40,3809	-7,8771
	528	Shell-Thick	~409	43,8282	-34,6089	4,1441	44,0466	-34,8272
	528	Shell-Thick	~400	43,1875	-34,8877	-3,6406	43,3569	-35,0571
	529	Shell-Thick	~562	33,8625	-5,8354	-0,6534	33,8733	-5,8462
	529	Shell-Thick	~568	15,115	-12,3919	-2,7784	15,3928	-12,6697
	529	Shell-Thick	~569	17,7314	13,0776	-4,897	20,8262	9,9827
	529	Shell-Thick	~563	36,3428	19,1857	-2,772	36,7796	18,749
	530	Shell-Thick	~563	32,1702	5,7527	-2,3258	32,3734	5,5495
	530	Shell-Thick	~569	16,9876	1,9288	-5,3482	18,6937	0,2227
	530	Shell-Thick	~570	16,2518	16,2429	-5,8647	22,1121	10,3827
	530	Shell-Thick	~564	31,4737	19,7575	-2,8423	32,1269	19,1043
	531	Shell-Thick	~564	30,0576	14,7883	-2,0089	30,3175	14,5284
	531	Shell-Thick	~570	16,9448	17,5965	-6,6757	23,9543	10,587
	531	Shell-Thick	~571	11,6819	18,7881	-2,2377	19,434	11,036
	531	Shell-Thick	~565	24,8473	15,9325	2,4291	25,4662	15,3136
	532	Shell-Thick	~565	24,3236	11,1815	-2,3341	24,7259	10,7792
	532	Shell-Thick	~571	11,7957	21,4896	2,511	22,1014	11,1839
	532	Shell-Thick	~572	15,4565	12,0181	12,9714	26,8221	0,6524
	532	Shell-Thick	~566	28,2302	1,6641	8,1263	30,5188	-0,6244
	533	Shell-Thick	~566	29,5889	2,514	3,9207	30,1452	1,9576
	533	Shell-Thick	~572	11,5988	-1,3269	17,2391	23,5467	-13,2748
	533	Shell-Thick	~573	23,2482	-21,2352	16,8653	28,9194	-26,9064
	533	Shell-Thick	~567	41,2977	-16,9636	3,5469	41,5128	-17,1787
	534	Shell-Thick	~567	46,2384	-4,652	8,3929	47,5868	-6,0004
	534	Shell-Thick	~573	20,9934	-20,1169	11,9927	24,2361	-23,3597
	534	Shell-Thick	~418	18,6704	-52,1602	3,3274	18,8263	-52,3162
	534	Shell-Thick	~409	44,3132	-36,168	-0,2724	44,3141	-36,1689
	535	Shell-Thick	~568	23,7655	-14,2588	3,9516	24,1718	-14,6651
	535	Shell-Thick	~574	-16,9853	-42,0314	1,4981	-16,8961	-42,1207
	535	Shell-Thick	~575	-13,0939	-7,9531	-14,0091	3,7195	-24,7665
	535	Shell-Thick	~569	27,4888	18,6261	-11,5556	35,4336	10,6813
	536	Shell-Thick	~569	20,7137	1,1157	-7,1306	23,0336	-1,2041
	536	Shell-Thick	~575	-8,47	-1,1983	-18,3895	13,9113	-23,5796
	536	Shell-Thick	~576	-18,4786	14,8621	-15,3357	20,8431	-24,4596
	536	Shell-Thick	~570	10,6427	16,6794	-4,0768	18,7336	8,5885
	537	Shell-Thick	~570	9,5877	16,1533	-11,213	24,5541	1,1869
	537	Shell-Thick	~576	-14,9339	27,8368	-8,1667	29,3431	-16,4402
	537	Shell-Thick	~577	-10,7697	30,9074	5,3424	31,5814	-11,4437
	537	Shell-Thick	~571	13,7814	19,1798	2,2961	20,0243	12,9369
	538	Shell-Thick	~571	15,5284	23,5641	4,9293	25,9056	13,1869
	538	Shell-Thick	~577	-12,8556	24,8288	2,6933	25,0204	-13,0471
	538	Shell-Thick	~578	-18,4529	10,7987	8,3112	12,9952	-20,6494
	538	Shell-Thick	~572	10,3088	9,6605	10,5472	20,5368	-0,5675
	539	Shell-Thick	~572	11,7006	1,6386	8,9539	16,9401	-3,601
	539	Shell-Thick	~578	-20,5647	15,2206	9,8598	17,7574	-23,1015
	539	Shell-Thick	~579	-25,7635	-13,9375	26,1548	6,9644	-46,6654
	539	Shell-Thick	~573	7,4175	-27,3463	25,2489	20,6891	-40,6179
	540	Shell-Thick	~573	15,2801	-15,6041	14,628	21,1085	-21,4326
	540	Shell-Thick	~579	-36,9899	-42,4988	36,9594	-2,6825	-76,8062
	540	Shell-Thick	~427	-18,9978	-83,4191	22,9026	-11,6856	-90,7313
	540	Shell-Thick	~418	33,6393	-54,8219	0,5712	33,643	-54,8256
	541	Shell-Thick	~574	-36,2542	-53,0387	7,644	-33,2948	-55,9981
	541	Shell-Thick	94	-101,0464	-100,9368	15,29	-85,7015	-116,2817
	541	Shell-Thick	~580	-81,2777	-47,7404	-12,4942	-43,5975	-85,4206

	541	Shell-Thick	~575	-17,2197	-1,6248	-20,1402	12,1747	-31,0192
	542	Shell-Thick	~575	-24,5694	-7,3343	-25,2103	10,6906	-42,5944
	542	Shell-Thick	~580	-64,4876	5,1711	-7,2501	5,9177	-65,2342
	542	Shell-Thick	~581	-37,0872	34,3055	9,3103	35,4996	-38,2814
	542	Shell-Thick	~576	1,7665	21,8273	-8,6499	25,0419	-1,4481
	543	Shell-Thick	~576	1,3874	30,902	-0,3647	30,9065	1,3829
	543	Shell-Thick	~581	-37,6599	20,4721	0,8974	20,486	-37,6737
	543	Shell-Thick	~582	-35,5795	23,6767	-1,1854	23,7004	-35,6032
	543	Shell-Thick	~577	3,5161	33,9637	-2,4474	34,1592	3,3207
	544	Shell-Thick	~577	4,5156	31,0139	0,7118	31,033	4,4965
	544	Shell-Thick	~582	-34,9177	34,9327	-4,4049	35,2094	-35,1944
	544	Shell-Thick	~583	-45,3742	14,5732	5,2137	15,0233	-45,8243
	544	Shell-Thick	~578	-5,1299	10,7525	10,3305	15,8413	-10,2187
	545	Shell-Thick	~578	3,4984	26,1063	17,3912	35,5445	-5,9397
	545	Shell-Thick	~583	-50,4498	16,9828	-1,8909	17,0357	-50,5028
	545	Shell-Thick	~584	-83,1729	-30,0561	-0,6466	-30,0483	-83,1807
	545	Shell-Thick	~579	-27,6469	-20,3873	18,6356	-5,0313	-43,0029
	546	Shell-Thick	~579	-18,17	-27,8484	24,6072	2,0693	-48,0877
	546	Shell-Thick	~584	-94,0163	-29,4277	-6,7426	-28,7313	-94,7127
	546	Shell-Thick	87	-147,5835	-106,6601	4,1973	-106,234	-148,0096
	546	Shell-Thick	~427	-68,7566	-104,2574	35,5471	-46,7745	-126,2394
	547	Shell-Thick	94	-94,0138	-99,674	-13,3557	-83,1917	-110,4961
	547	Shell-Thick	~585	-32,4915	-52,1132	-9,1062	-28,9167	-55,688
	547	Shell-Thick	~586	-17,2594	-1,2652	19,9739	12,253	-30,7776
	547	Shell-Thick	~580	-78,2362	-46,9883	15,7244	-40,4455	-84,779
	548	Shell-Thick	~580	-61,2421	5,731	9,9743	7,1849	-62,696
	548	Shell-Thick	~586	-25,0997	-8,2158	25,5233	10,2254	-43,5409
	548	Shell-Thick	~587	-0,9481	20,6877	7,7449	23,1744	-3,4347
	548	Shell-Thick	~581	-36,0101	34,6101	-7,8041	35,4622	-36,8622
	549	Shell-Thick	~581	-36,5186	20,703	-1,2198	20,729	-36,5446
	549	Shell-Thick	~587	-1,2964	30,3105	1,2911	30,3632	-1,3491
	549	Shell-Thick	~588	2,4857	33,6774	3,3957	34,0428	2,1203
	549	Shell-Thick	~582	-32,8131	24,2274	0,8848	24,2411	-32,8268
	550	Shell-Thick	~582	-32,1954	35,535	5,3834	35,9602	-32,6206
	550	Shell-Thick	~588	3,563	30,845	-1,0546	30,8857	3,5223
	550	Shell-Thick	~589	-8,0327	10,1179	-11,0581	15,348	-13,2627
	550	Shell-Thick	~583	-44,5719	14,6758	-4,6202	15,0339	-44,93
	551	Shell-Thick	~583	-49,8256	17,258	-0,1337	17,2583	-49,8259
	551	Shell-Thick	~589	0,6172	24,5168	-15,4985	32,1374	-7,0034
	551	Shell-Thick	~590	-26,5348	-21,4813	-17,7761	-6,0533	-41,9629
	551	Shell-Thick	~584	-78,5459	-29,2812	-2,4113	-29,1634	-78,6636
	552	Shell-Thick	~584	-89,8576	-28,4342	3,5958	-28,2244	-90,0674
	552	Shell-Thick	~590	-15,8443	-25,4342	-23,6829	3,5242	-44,8027
	552	Shell-Thick	~312	-62,8401	-101,2998	-33,4712	-43,4681	-120,6718
	552	Shell-Thick	87	-139,7409	-105,2533	-6,1925	-104,1752	-140,8191
	553	Shell-Thick	~585	-17,4043	-42,0749	-2,4492	-17,1635	-42,3157
	553	Shell-Thick	~591	21,2927	-15,1044	-4,2232	21,7763	-15,588
	553	Shell-Thick	~592	25,853	18,5118	11,5931	34,3427	10,0221
	553	Shell-Thick	~586	-12,6446	-7,3631	13,367	3,6215	-23,6292
	554	Shell-Thick	~586	-8,0884	-1,9877	17,7865	13,0082	-23,0843
	554	Shell-Thick	~592	18,8199	0,7518	7,1506	21,3073	-1,7356
	554	Shell-Thick	~593	9,1181	16,6917	4,6986	18,9395	6,8703
	554	Shell-Thick	~587	-17,8067	14,4901	15,3345	20,6109	-23,9275
	555	Shell-Thick	~587	-14,1295	27,9191	9,1142	29,8097	-16,02
	555	Shell-Thick	~593	8,0576	16,346	10,8658	23,8311	0,5725
	555	Shell-Thick	~594	10,7415	19,1526	-2,6506	19,9182	9,9759
	555	Shell-Thick	~588	-11,4303	30,719	-4,4023	31,1739	-11,8852

	556	Shell-Thick	~588	-13,5432	24,8066	-3,1905	25,0703	-13,8069
	556	Shell-Thick	~594	12,4909	23,2474	-3,8299	24,4716	11,2666
	556	Shell-Thick	~595	9,1555	9,4062	-9,5381	18,8198	-0,2582
	556	Shell-Thick	~589	-17,3065	10,8803	-8,8988	13,4546	-19,8808
	557	Shell-Thick	~589	-19,7721	14,4872	-9,0996	16,7542	-22,039
	557	Shell-Thick	~595	11,0162	2,7751	-9,3147	17,0811	-3,2898
	557	Shell-Thick	~596	5,2242	-26,9589	-24,3657	18,3324	-40,0671
	557	Shell-Thick	~590	-26,4257	-15,5078	-24,1506	3,7931	-45,7266
	558	Shell-Thick	~590	-37,3624	-40,4942	-34,6766	-4,2164	-73,6403
	558	Shell-Thick	~596	13,2816	-16,369	-13,9833	18,8358	-21,9231
	558	Shell-Thick	~329	30,5617	-56,4547	-1,5434	30,589	-56,4821
	558	Shell-Thick	~312	-20,5735	-82,0901	-22,2367	-13,3773	-89,2863
5	559	Shell-Thick	~591	13,4962	-13,0749	2,7937	13,7868	-13,3655
5	559	Shell-Thick	~597	31,3709	-7,091	0,8353	31,3891	-7,1091
5	559	Shell-Thick	~598	34,1128	18,4852	2,6661	34,5551	18,0429
5	559	Shell-Thick	~592	16,2991	13,0123	4,6245	19,5635	9,7479
5	560	Shell-Thick	~592	15,651	1,6567	5,5161	17,5638	-0,2562
5	560	Shell-Thick	~598	29,9173	5,623	1,755	30,0435	5,4968
5	560	Shell-Thick	~599	28,1943	19,8439	2,5999	28,9376	19,1006
5	560	Shell-Thick	~593	13,9435	16,1182	6,3611	21,4842	8,5775
5	561	Shell-Thick	~593	14,7026	17,6439	6,3407	22,6823	9,6643
5	561	Shell-Thick	~599	26,7313	14,7987	2,6223	27,2821	14,2478
5	561	Shell-Thick	~600	22,5525	16,1559	-1,8691	23,0586	15,6498
5	561	Shell-Thick	~594	10,3943	19,1142	1,8493	19,4902	10,0183
5	562	Shell-Thick	~594	10,3865	21,4774	-1,749	21,7466	10,1173
5	562	Shell-Thick	~600	22,2369	12,176	1,716	22,5216	11,8914
5	562	Shell-Thick	~601	24,5417	2,1721	-8,137	27,1884	-0,4746
5	562	Shell-Thick	~595	12,5138	11,427	-11,602	23,5851	0,3556
5	563	Shell-Thick	~595	8,7621	-0,6335	-16,5899	21,3066	-13,1779
5	563	Shell-Thick	~601	25,8703	2,1177	-3,1785	26,2883	1,6998
5	563	Shell-Thick	~602	38,2722	-17,7638	-3,6132	38,5042	-17,9958
5	563	Shell-Thick	~596	21,0045	-20,845	-17,0246	27,0554	-26,8959
5	564	Shell-Thick	~596	18,2212	-21,0745	-12,1679	21,6838	-24,5372
5	564	Shell-Thick	~602	43,3621	-6,0018	-8,4786	44,7778	-7,4175
5	564	Shell-Thick	~338	41,5707	-37,9592	0,2517	41,5715	-37,96
5	564	Shell-Thick	~329	16,112	-53,6512	-3,4375	16,281	-53,8202
5	565	Shell-Thick	~597	31,7026	-5,9113	1,7589	31,7846	-5,9934
5	565	Shell-Thick	~603	31,9168	-5,8332	-1,8784	32,0101	-5,9265
5	565	Shell-Thick	~604	32,0412	16,9942	-1,8479	32,2648	16,7706
5	565	Shell-Thick	~598	31,8371	16,9167	1,7893	32,0487	16,7051
5	566	Shell-Thick	~598	29,7004	6,0813	2,1901	29,9018	5,8799
5	566	Shell-Thick	~604	29,8339	6,1103	-2,244	30,0443	5,8999
5	566	Shell-Thick	~605	27,0386	19,0869	-2,2532	27,6327	18,4928
5	566	Shell-Thick	~599	26,8867	19,0807	2,181	27,4547	18,5127
5	567	Shell-Thick	~599	26,0085	14,6465	0,3791	26,0211	14,6339
5	567	Shell-Thick	~605	26,1504	14,6886	-0,4568	26,1685	14,6704
5	567	Shell-Thick	~606	25,5461	16,7884	-0,4399	25,5681	16,7663
5	567	Shell-Thick	~600	25,4141	16,7358	0,396	25,4322	16,7178
5	568	Shell-Thick	~600	24,492	12,21	-3,209	25,2799	11,4221
5	568	Shell-Thick	~606	24,6566	12,2563	3,1694	25,4197	11,4932
5	568	Shell-Thick	~607	30,7477	3,8319	3,1758	31,1173	3,4623
5	568	Shell-Thick	~601	30,5662	3,7941	-3,2026	30,944	3,4163
5	569	Shell-Thick	~601	30,1616	1,9842	-3,4306	30,5732	1,5726
5	569	Shell-Thick	~607	30,4424	2,092	3,398	30,844	1,6904
5	569	Shell-Thick	~608	34,8595	-17,3751	3,4535	35,0869	-17,6024
5	569	Shell-Thick	~602	34,5906	-17,5084	-3,3751	34,8083	-17,7261
5	570	Shell-Thick	~602	36,1779	-9,2375	-4,1821	36,5597	-9,6194

	570	Shell-Thick	~608	36,5931	-9,0414	4,2656	36,9884	-9,4367
	570	Shell-Thick	~347	41,4905	-36,0662	4,3601	41,7349	-36,3106
	570	Shell-Thick	~338	41,0557	-36,2634	-4,0876	41,2712	-36,4789
	571	Shell-Thick	~603	31,2181	-6,9985	-0,8376	31,2364	-7,0168
	571	Shell-Thick	~609	13,7296	-13,0905	-2,4441	13,9505	-13,3114
	571	Shell-Thick	~610	16,9534	12,8417	-4,4587	19,8074	9,9877
	571	Shell-Thick	~604	34,3453	18,4805	-2,8522	34,8425	17,9833
	572	Shell-Thick	~604	30,248	5,7388	-1,758	30,3735	5,6133
	572	Shell-Thick	~610	16,2732	1,6957	-5,5442	18,1422	-0,1733
	572	Shell-Thick	~611	14,4998	16,0317	-6,4995	21,8102	8,7213
	572	Shell-Thick	~605	28,4787	19,8292	-2,7133	29,2594	19,0486
	573	Shell-Thick	~605	27,0609	14,8742	-2,7357	27,6469	14,2883
	573	Shell-Thick	~611	15,3014	17,9057	-6,4702	23,2035	10,0037
	573	Shell-Thick	~612	10,9902	19,3562	-1,8836	19,7607	10,5857
	573	Shell-Thick	~606	22,8446	16,2446	1,8508	23,3282	15,761
	574	Shell-Thick	~606	22,4773	12,1763	-1,7984	22,7823	11,8714
	574	Shell-Thick	~612	11,0047	21,6604	1,7675	21,9459	10,7192
	574	Shell-Thick	~613	13,2763	11,7914	11,729	24,2863	0,7814
	574	Shell-Thick	~607	24,9482	2,3161	8,163	27,5852	-0,3209
	575	Shell-Thick	~607	26,1512	2,1109	3,2555	26,5842	1,6779
	575	Shell-Thick	~613	9,5386	-0,6769	16,6749	21,8705	-13,0088
	575	Shell-Thick	~614	21,8608	-20,6245	16,9913	27,8203	-26,5839
	575	Shell-Thick	~608	38,5983	-17,5045	3,5719	38,8248	-17,731
	576	Shell-Thick	~608	43,488	-6,0239	8,6042	44,9407	-7,4765
	576	Shell-Thick	~614	19,2287	-20,8173	11,9563	22,5268	-24,1155
	576	Shell-Thick	~356	16,7542	-53,0813	3,342	16,9138	-53,2409
	576	Shell-Thick	~347	41,3535	-37,7322	-0,0102	41,3535	-37,7322
	577	Shell-Thick	~609	22,1788	-14,8804	4,5264	22,7237	-15,4253
	577	Shell-Thick	~615	-16,0854	-41,8599	1,9751	-15,9349	-42,0104
	577	Shell-Thick	~616	-12,4215	-7,8242	-13,9216	3,9872	-24,2329
	577	Shell-Thick	~610	25,6741	18,0656	-11,3703	33,8596	9,88
	578	Shell-Thick	~610	18,8286	0,7278	-7,6355	21,6193	-2,0628
	578	Shell-Thick	~616	-7,6702	-0,9569	-17,6199	13,6232	-22,2503
	578	Shell-Thick	~617	-16,5925	15,3736	-14,3773	20,8886	-22,1075
	578	Shell-Thick	~611	9,8712	16,585	-4,3929	18,7567	7,6994
	579	Shell-Thick	~611	8,9064	16,6524	-10,5992	24,064	1,4947
	579	Shell-Thick	~617	-13,2052	27,4188	-8,1297	28,9853	-14,7717
	579	Shell-Thick	~618	-9,6002	30,4044	4,6979	30,9487	-10,1445
	579	Shell-Thick	~612	12,5036	19,6332	2,2283	20,2723	11,8645
	580	Shell-Thick	~612	14,1822	23,5764	4,1467	25,1449	12,6136
	580	Shell-Thick	~618	-11,6526	24,5917	2,751	24,7994	-11,8602
	580	Shell-Thick	~619	-16,3051	10,7704	7,9632	12,9388	-18,4735
	580	Shell-Thick	~613	9,9373	9,8431	9,3589	19,2492	0,5312
	581	Shell-Thick	~613	11,5624	2,5484	8,9213	17,0506	-2,9398
	581	Shell-Thick	~619	-18,4669	15,3819	8,3676	17,3374	-20,4224
	581	Shell-Thick	~620	-25,4486	-14,0822	24,2693	5,1604	-44,6913
	581	Shell-Thick	~614	5,4726	-26,7227	24,8231	18,9607	-40,2108
	582	Shell-Thick	~614	13,2495	-16,5155	13,944	18,7613	-22,0272
	582	Shell-Thick	~620	-36,5173	-40,748	35,306	-3,2633	-74,0019
	582	Shell-Thick	~365	-18,6909	-81,364	22,6255	-11,3766	-88,6783
	582	Shell-Thick	~356	31,5097	-55,6279	1,2635	31,528	-55,6462
	583	Shell-Thick	~615	-34,8683	-52,4696	7,6952	-31,9784	-55,3595
	583	Shell-Thick	95	-95,6465	-97,7022	14,875	-81,7638	-111,5849
	583	Shell-Thick	~621	-76,278	-45,2692	-12,4387	-40,8963	-80,6509
	583	Shell-Thick	~616	-16,1638	-1,7194	-19,6185	11,9641	-29,8473
	584	Shell-Thick	~616	-23,5562	-6,8991	-24,2639	10,4259	-40,8812
	584	Shell-Thick	~621	-59,7882	5,397	-7,616	6,275	-60,6662

15	584	Shell-Thick	~622	-33,2546	34,0965	8,7778	35,2217	-34,3798
15	584	Shell-Thick	~617	1,8996	21,8371	-7,8702	24,5693	-0,8327
15	585	Shell-Thick	~617	1,3145	30,1275	-0,5312	30,1373	1,3047
15	585	Shell-Thick	~622	-33,778	20,2635	1,3098	20,2952	-33,8098
15	585	Shell-Thick	~623	-30,9075	23,6533	-1,0386	23,673	-30,9272
15	585	Shell-Thick	~618	4,249	33,3695	-2,8795	33,6515	3,967
15	586	Shell-Thick	~618	5,2633	30,5184	0,7014	30,5379	5,2438
15	586	Shell-Thick	~623	-30,3335	34,4457	-4,6695	34,7806	-30,6684
15	586	Shell-Thick	~624	-41,261	14,3196	4,6678	14,7089	-41,6503
15	586	Shell-Thick	~619	-4,8946	10,509	10,0388	15,4601	-9,8457
15	587	Shell-Thick	~619	3,7499	25,6063	15,8072	33,8951	-4,5388
15	587	Shell-Thick	~624	-46,3638	16,9307	-1,1487	16,9515	-46,3847
15	587	Shell-Thick	~625	-76,8984	-28,9974	-0,1085	-28,9971	-76,8986
15	587	Shell-Thick	~620	-25,2246	-19,8185	16,8474	-5,4586	-39,5844
15	588	Shell-Thick	~620	-15,2158	-26,0215	23,4464	3,4422	-44,6795
15	588	Shell-Thick	~625	-87,7515	-27,016	-6,8255	-26,2584	-88,5091
15	588	Shell-Thick	88	-141,1692	-103,0207	4,4793	-102,5018	-141,6881
15	588	Shell-Thick	~365	-65,6688	-101,2257	34,7512	-44,4124	-122,4821
16	589	Shell-Thick	95	-90,0697	-96,6509	-13,0167	-79,9341	-106,7865
16	589	Shell-Thick	~626	-30,5646	-50,7466	-8,7587	-27,2936	-54,0176
16	589	Shell-Thick	~627	-15,4956	-0,6886	19,2979	12,5772	-28,7615
16	589	Shell-Thick	~621	-74,4401	-44,8376	15,0399	-38,5373	-80,7405
16	590	Shell-Thick	~621	-58,0665	5,7077	9,183	7,0037	-59,3625
16	590	Shell-Thick	~627	-23,1572	-7,6738	24,9646	10,7219	-41,5529
16	590	Shell-Thick	~628	1,2247	20,9033	7,8719	23,6648	-1,5368
16	590	Shell-Thick	~622	-32,6301	34,2551	-7,9096	35,1777	-33,5527
16	591	Shell-Thick	~622	-33,1915	20,3805	-0,9007	20,3957	-33,2066
16	591	Shell-Thick	~628	0,7576	29,6358	0,99	29,6697	0,7237
16	591	Shell-Thick	~629	3,757	32,8865	3,0148	33,1953	3,4482
16	591	Shell-Thick	~623	-30,2603	23,7829	1,1241	23,8063	-30,2837
16	592	Shell-Thick	~623	-29,6593	34,6017	4,8087	34,9596	-30,0171
16	592	Shell-Thick	~629	4,7528	30,052	-0,6224	30,0673	4,7375
16	592	Shell-Thick	~630	-5,4982	9,9913	-10,2818	15,1189	-10,6258
16	592	Shell-Thick	~624	-40,6617	14,4182	-4,8507	14,8422	-41,0857
16	593	Shell-Thick	~624	-45,6721	17,1261	0,355	17,1281	-45,6741
16	593	Shell-Thick	~630	2,9318	24,3819	-15,4411	32,4572	-5,1435
16	593	Shell-Thick	~631	-24,6129	-20,8553	-17,4198	-5,2133	-40,2548
16	593	Shell-Thick	~625	-74,7399	-28,6227	-1,6237	-28,5656	-74,797
16	594	Shell-Thick	~625	-85,4217	-26,466	3,918	-26,2068	-85,6809
16	594	Shell-Thick	~631	-14,2365	-24,5392	-22,8599	4,0453	-42,821
16	594	Shell-Thick	~250	-60,3509	-98,9203	-33,097	-41,3301	-117,9411
16	594	Shell-Thick	88	-134,3634	-101,7436	-6,3191	-100,5622	-135,5447
16	595	Shell-Thick	~626	-15,7428	-40,9983	-2,4106	-15,5148	-41,2263
16	595	Shell-Thick	~632	21,1025	-14,904	-3,8563	21,5109	-15,3124
16	595	Shell-Thick	~633	26,032	18,5388	11,5473	34,4253	10,1456
16	595	Shell-Thick	~627	-10,6302	-6,4995	12,9929	4,5912	-21,7209
16	596	Shell-Thick	~627	-6,3234	-1,5896	17,6011	13,803	-21,7161
16	596	Shell-Thick	~633	19,1543	0,7745	6,9109	21,4629	-1,534
16	596	Shell-Thick	~634	9,3434	16,5943	4,4071	18,6756	7,2621
16	596	Shell-Thick	~628	-16,123	14,7164	15,0974	20,8767	-22,2834
16	597	Shell-Thick	~628	-12,6879	27,1378	8,5315	28,8885	-14,4386
16	597	Shell-Thick	~634	8,2517	15,8895	10,9285	23,6471	0,494
16	597	Shell-Thick	~635	11,7575	18,8592	-2,1072	19,4374	11,1793
16	597	Shell-Thick	~629	-9,1728	30,1094	-4,5042	30,6192	-9,6827
16	598	Shell-Thick	~629	-11,187	24,3694	-2,661	24,5674	-11,3851
16	598	Shell-Thick	~635	13,3907	22,6945	-3,9221	24,1273	11,9579
16	598	Shell-Thick	~636	9,2837	8,8576	-9,4799	18,5529	-0,4117

16	613	Shell-Thick	~644	30,1042	-7,4249	-0,4829	30,1104	-7,4311
16	613	Shell-Thick	~650	10,7926	-13,7949	-3,975	11,4192	-14,4215
16	613	Shell-Thick	~651	11,9004	13,3363	-5,8346	18,4969	6,7397
16	613	Shell-Thick	~645	31,2006	19,075	-2,3425	31,6374	18,6382
16	614	Shell-Thick	~645	26,4495	4,5209	-2,4349	26,7166	4,2538
16	614	Shell-Thick	~651	11,3058	1,1619	-5,7103	13,8714	-1,4037
16	614	Shell-Thick	~652	10,364	16,5017	-5,8799	20,0655	6,8002
16	614	Shell-Thick	~646	25,4869	19,5855	-2,6045	26,472	18,6004
16	615	Shell-Thick	~646	23,8095	13,9444	-2,2393	24,294	13,4599
16	615	Shell-Thick	~652	10,8674	16,2729	-6,2519	20,3812	6,759
16	615	Shell-Thick	~653	6,1868	17,7801	-2,0232	18,123	5,8439
16	615	Shell-Thick	~647	19,2935	15,2985	1,9894	20,1152	14,4768
16	616	Shell-Thick	~647	19,0507	11,4137	-1,7537	19,4342	11,0303
16	616	Shell-Thick	~653	6,1508	20,2709	1,7432	20,4829	5,9388
16	616	Shell-Thick	~654	8,1965	9,5841	11,381	20,2924	-2,5118
16	616	Shell-Thick	~648	21,2683	0,8124	7,8841	23,9542	-1,8736
16	617	Shell-Thick	~648	22,9566	1,508	3,2265	23,4314	1,0332
16	617	Shell-Thick	~654	4,5877	-0,714	16,0634	18,2175	-14,3438
16	617	Shell-Thick	~655	15,8213	-22,4047	17,1455	22,3847	-28,968
16	617	Shell-Thick	~649	34,3854	-19,8163	4,3086	34,7258	-20,1567
16	618	Shell-Thick	~649	40,2366	-6,0622	8,1475	41,6286	-7,4541
16	618	Shell-Thick	~655	12,7204	-22,4071	13,3285	17,2052	-26,8919
16	618	Shell-Thick	~294	12,1028	-56,7182	3,866	12,3193	-56,9347
16	618	Shell-Thick	~285	39,9195	-39,6207	-1,315	39,9412	-39,6424
16	619	Shell-Thick	~650	16,1849	-16,6746	2,6133	16,3914	-16,8811
16	619	Shell-Thick	~656	-23,8954	-42,9876	3,3987	-23,3085	-43,5746
16	619	Shell-Thick	~657	-15,4152	-5,3468	-11,602	2,2661	-23,0281
16	619	Shell-Thick	~651	24,4093	19,7963	-12,3874	34,7031	9,5025
16	620	Shell-Thick	~651	16,6911	0,5028	-5,655	18,4709	-1,277
16	620	Shell-Thick	~657	-11,6429	-5,7827	-18,3345	9,8544	-27,2799
16	620	Shell-Thick	~658	-23,7504	11,5062	-18,5669	19,4804	-31,7245
16	620	Shell-Thick	~652	4,698	17,1047	-5,8874	19,4537	2,349
16	621	Shell-Thick	~652	3,159	14,7467	-12,046	22,3198	-4,4141
16	621	Shell-Thick	~658	-19,1923	28,9596	-12,3401	31,9379	-22,1705
16	621	Shell-Thick	~659	-19,0704	31,4231	3,4499	31,6577	-19,305
16	621	Shell-Thick	~653	3,3001	17,1873	3,744	18,1324	2,355
16	622	Shell-Thick	~653	5,1789	21,5669	2,8556	22,0503	4,6955
16	622	Shell-Thick	~659	-21,3406	25,0862	4,3148	25,4838	-21,7382
16	622	Shell-Thick	~660	-22,6345	10,7157	11,7461	14,4374	-26,3562
16	622	Shell-Thick	~654	4,312	7,3168	10,2869	16,2104	-4,5817
16	623	Shell-Thick	~654	6,9047	3,0605	10,4874	15,6446	-5,6795
16	623	Shell-Thick	~660	-25,991	11,1529	11,5348	14,4435	-29,2815
16	623	Shell-Thick	~661	-31,4523	-20,7422	23,8175	-1,6852	-50,5093
16	623	Shell-Thick	~655	2,2644	-28,4272	22,7701	14,3771	-40,5399
16	624	Shell-Thick	~655	11,2343	-16,4162	14,1857	17,2174	-22,3993
16	624	Shell-Thick	~661	-41,7848	-39,5664	32,5221	-8,1346	-73,2166
16	624	Shell-Thick	~303	-28,722	-85,1858	21,2829	-21,5986	-92,3093
16	624	Shell-Thick	~294	24,9131	-60,4444	2,9465	25,0147	-60,546
16	625	Shell-Thick	~656	-27,371	-51,3393	13,6657	-21,179	-57,5313
16	625	Shell-Thick	96	-91,6741	-107,2168	9,1662	-87,4283	-111,4626
16	625	Shell-Thick	~662	-86,368	-52,6445	-26,2504	-38,3068	-100,7057
16	625	Shell-Thick	~657	-22,3041	0,932	-21,7509	13,9733	-35,3454
16	626	Shell-Thick	~657	-31,9118	-12,8949	-29,8374	8,9125	-53,7192
16	626	Shell-Thick	~662	-67,6363	6,8023	-17,9108	10,8877	-71,7217
16	626	Shell-Thick	~663	-46,6452	36,7067	4,7062	36,9716	-46,9101
16	626	Shell-Thick	~658	-11,9496	16,9248	-7,2204	18,6297	-13,6545
16	627	Shell-Thick	~658	-11,6987	30,2974	-3,6998	30,6209	-12,0221

16	627	Shell-Thick	~663	-47,2888	21,3708	1,0718	21,3876	-47,3055
16	627	Shell-Thick	~664	-40,6778	25,6106	-0,4022	25,6131	-40,6803
16	627	Shell-Thick	~659	-5,0308	34,3919	-5,1738	35,0596	-5,6985
16	628	Shell-Thick	~659	-3,8661	31,3662	2,0433	31,4844	-3,9842
16	628	Shell-Thick	~664	-39,8984	38,3571	-7,6829	39,1043	-40,6455
16	628	Shell-Thick	~665	-56,7503	15,3688	4,3278	15,6276	-57,0091
16	628	Shell-Thick	~660	-19,8451	8,4885	14,054	14,2769	-25,6336
16	629	Shell-Thick	~660	-11,2521	20,5426	14,4979	26,1607	-16,8702
16	629	Shell-Thick	~665	-62,3888	18,0871	3,8645	18,2722	-62,5739
16	629	Shell-Thick	~666	-85,7628	-30,6708	10,2463	-28,8268	-87,6068
16	629	Shell-Thick	~661	-33,0859	-27,5108	20,8796	-9,2334	-51,3632
16	630	Shell-Thick	~661	-20,0046	-23,4521	24,5149	2,8471	-46,3037
16	630	Shell-Thick	~666	-98,4602	-32,8102	6,5492	-32,1632	-99,1072
16	630	Shell-Thick	89	-137,594	-113,2659	11,5013	-108,6895	-142,1704
16	630	Shell-Thick	~303	-56,4384	-102,4873	29,467	-42,0672	-116,8585
17	631	Shell-Thick	96	-138,9465	-116,1004	-23,1196	-101,7358	-153,3111
17	631	Shell-Thick	~667	-61,6275	-64,5584	-5,3282	-57,5669	-68,619
17	631	Shell-Thick	~668	-29,8904	-7,1805	23,3742	7,4508	-44,5218
17	631	Shell-Thick	~662	-105,9481	-57,1314	5,5827	-56,5011	-106,5784
17	632	Shell-Thick	~662	-86,7533	3,3266	1,7198	3,3594	-86,7862
17	632	Shell-Thick	~668	-37,0153	-7,289	27,1242	8,7774	-53,0817
17	632	Shell-Thick	~669	-1,5111	25,0351	10,572	28,7308	-5,2069
17	632	Shell-Thick	~663	-50,0733	35,6734	-14,8324	38,1666	-52,5665
17	633	Shell-Thick	~663	-50,5526	20,7029	-1,4065	20,7307	-50,5804
17	633	Shell-Thick	~669	-2,1032	34,6489	-2,7427	34,8524	-2,3067
17	633	Shell-Thick	~670	-3,1534	37,3809	0,7176	37,3936	-3,1661
17	633	Shell-Thick	~664	-51,5253	23,4563	2,0538	23,5125	-51,5816
17	634	Shell-Thick	~664	-50,8304	35,9992	3,1473	36,1131	-50,9444
17	634	Shell-Thick	~670	-2,0489	33,835	-0,2603	33,8369	-2,0508
17	634	Shell-Thick	~671	-9,6965	12,8048	-9,9902	16,6001	-13,4918
17	634	Shell-Thick	~665	-59,5257	14,9853	-6,5826	15,5623	-60,1028
17	635	Shell-Thick	~665	-65,4809	16,8973	6,3149	17,3786	-65,9622
17	635	Shell-Thick	~671	0,4285	31,7418	-22,8724	43,803	-11,6327
17	635	Shell-Thick	~672	-43,0554	-19,5533	-21,3657	-6,9203	-55,6884
17	635	Shell-Thick	~666	-110,7147	-35,0899	7,8216	-34,2894	-111,5152
17	636	Shell-Thick	~666	-123,8961	-38,6313	16,0728	-35,7021	-126,8252
17	636	Shell-Thick	~672	-34,2893	-38,0879	-29,3859	-6,7413	-65,6359
17	636	Shell-Thick	~179	-102,447	-123,1698	-43,5479	-68,0448	-157,572
17	636	Shell-Thick	89	-195,8661	-124,1864	1,9108	-124,1355	-195,917
17	637	Shell-Thick	~667	-28,379	-49,6646	0,2487	-28,3761	-49,6675
17	637	Shell-Thick	~673	24,2303	-16,8207	-3,9921	24,6149	-17,2053
17	637	Shell-Thick	~674	26,0726	16,4986	13,4591	35,5706	7,0005
17	637	Shell-Thick	~668	-26,496	-14,7458	17,6999	-1,9714	-39,2705
17	638	Shell-Thick	~668	-19,7542	-0,4174	21,6515	13,6263	-33,7979
17	638	Shell-Thick	~674	18,9789	0,411	9,3774	22,8906	-3,5008
17	638	Shell-Thick	~675	7,7025	16,243	3,6665	17,6011	6,3445
17	638	Shell-Thick	~669	-30,7252	15,7729	15,9405	20,7129	-35,6651
17	639	Shell-Thick	~669	-26,7019	30,0041	6,7156	30,7885	-27,4864
17	639	Shell-Thick	~675	6,8141	17,6861	12,9202	26,2672	-1,7671
17	639	Shell-Thick	~676	14,9124	21,4466	-2,576	22,34	14,019
17	639	Shell-Thick	~670	-18,7788	33,9809	-8,7805	35,4038	-20,2018
17	640	Shell-Thick	~670	-21,2547	26,7712	-2,4063	26,8914	-21,375
17	640	Shell-Thick	~676	17,1982	27,7058	-8,9946	32,8686	12,0354
17	640	Shell-Thick	~677	6,6479	12,8379	-14,3333	24,4065	-4,9208
17	640	Shell-Thick	~671	-32,0828	11,5502	-7,7449	12,8842	-33,4167
17	641	Shell-Thick	~671	-34,458	17,6987	-11,5223	20,1307	-36,8901
17	641	Shell-Thick	~677	7,6907	0,0276	-10,4327	14,9733	-7,2549

7	641	Shell-Thick	~678	3,7159	-29,5006	-31,6659	22,8647	-48,6494
7	641	Shell-Thick	~672	-39,7269	-11,8217	-32,7556	9,8291	-61,3777
7	642	Shell-Thick	~672	-54,7958	-54,7249	-46,0817	-8,6786	-100,842
7	642	Shell-Thick	~678	12,4789	-18,1267	-18,6569	21,3061	-26,9538
7	642	Shell-Thick	~196	36,4734	-57,3827	1,0498	36,4852	-57,3944
7	642	Shell-Thick	~179	-30,9406	-96,3329	-26,375	-21,6287	-105,6448
7	643	Shell-Thick	~673	12,4586	-14,6267	3,0954	12,8079	-14,9759
7	643	Shell-Thick	~679	42,7434	-4,1707	1,3677	42,7832	-4,2106
17	643	Shell-Thick	~680	45,3801	19,8241	4,7836	46,2461	18,9581
17	643	Shell-Thick	~674	15,4611	9,8279	6,5114	19,7389	5,5501
17	644	Shell-Thick	~674	15,9735	1,8223	6,825	18,7287	-0,9329
17	644	Shell-Thick	~680	40,5473	6,2281	4,5418	41,1382	5,6373
17	644	Shell-Thick	~681	40,7405	19,638	3,8576	41,4236	18,9549
17	644	Shell-Thick	~675	15,9348	15,8771	6,1408	22,0468	9,765
17	645	Shell-Thick	~675	17,342	19,7661	8,2673	26,9096	10,1984
17	645	Shell-Thick	~681	39,4895	16,5298	1,6232	39,6037	16,4156
17	645	Shell-Thick	~682	31,8236	17,3678	-4,5056	33,1129	16,0785
17	645	Shell-Thick	~676	9,8095	20,4516	2,1384	20,8653	9,3959
17	646	Shell-Thick	~676	10,0157	24,5604	-4,5017	25,841	8,7351
17	646	Shell-Thick	~682	31,2007	11,1752	2,2246	31,4448	10,9311
17	646	Shell-Thick	~683	37,6568	2,7836	-12,1795	41,4893	-1,0489
17	646	Shell-Thick	~677	15,9516	16,4075	-18,9058	35,0867	-2,7276
17	647	Shell-Thick	~677	10,2684	-3,2699	-22,0711	26,5851	-19,5866
17	647	Shell-Thick	~683	39,8371	4,9467	-9,1853	42,1075	2,6763
17	647	Shell-Thick	~684	51,1257	-12,9572	-6,9277	51,8661	-13,6975
17	647	Shell-Thick	~678	21,7167	-22,0874	-19,8136	29,349	-29,7197
17	648	Shell-Thick	~678	17,7021	-24,24	-15,1281	22,5893	-29,1271
17	648	Shell-Thick	~684	57,0498	-1,2566	-11,4931	59,2335	-3,4403
17	648	Shell-Thick	~205	55,7048	-30,8531	0,9271	55,7147	-30,863
17	648	Shell-Thick	~196	15,6016	-54,3991	-2,7079	15,7062	-54,5037
17	649	Shell-Thick	~679	41,0979	-2,3685	3,5342	41,3834	-2,654
17	649	Shell-Thick	~685	51,8571	-1,1339	1,7372	51,914	-1,1908
17	649	Shell-Thick	~686	53,7073	17,8629	0,7637	53,7236	17,8466
17	649	Shell-Thick	~680	42,7458	17,1659	2,5607	42,9996	16,9121
17	650	Shell-Thick	~680	41,6109	7,4234	4,0932	42,0941	6,9401
17	650	Shell-Thick	~686	51,2516	9,6527	-0,8772	51,2701	9,6342
17	650	Shell-Thick	~687	47,4633	20,51	-0,5457	47,4743	20,4989
17	650	Shell-Thick	~681	38,1055	18,1284	4,4248	39,0417	17,1922
17	651	Shell-Thick	~681	38,0164	16,3039	0,818	38,0472	16,2731
17	651	Shell-Thick	~687	45,5533	12,339	3,1662	45,8525	12,0398
17	651	Shell-Thick	~688	48,9927	14,8054	-1,4476	49,0539	14,7443
17	651	Shell-Thick	~682	41,1181	19,158	-3,7959	41,7557	18,5204
17	652	Shell-Thick	~682	39,5496	12,0318	-4,6936	40,3281	11,2532
17	652	Shell-Thick	~688	48,7927	13,089	-0,6882	48,806	13,0758
17	652	Shell-Thick	~689	51,8821	6,1699	-1,1159	51,9093	6,1426
17	652	Shell-Thick	~683	42,9526	4,656	-5,1213	43,6256	3,9829
17	653	Shell-Thick	~683	42,0366	3,513	-7,5877	43,4772	2,0724
17	653	Shell-Thick	~689	52,2029	4,3368	1,4812	52,2487	4,291
17	653	Shell-Thick	~690	60,0055	-10,8143	0,3847	60,0076	-10,8164
17	653	Shell-Thick	~684	49,3874	-11,4312	-8,6843	50,6032	-12,6469
17	654	Shell-Thick	~684	49,1475	-6,2082	-6,4827	49,8966	-6,9572
17	654	Shell-Thick	~690	63,3084	-0,7223	-1,9807	63,3696	-0,7835
17	654	Shell-Thick	~214	64,0199	-22,2889	0,5279	64,0231	-22,2922
17	654	Shell-Thick	~205	50,1686	-28,5892	-3,9741	50,3686	-28,7892
17	655	Shell-Thick	~685	54,4117	-0,3918	0,942	54,4279	-0,408
17	655	Shell-Thick	~691	46,7881	-1,2413	-4,8313	47,2693	-1,7224
17	655	Shell-Thick	~692	43,4713	16,7783	-4,0769	44,0801	16,1695

.7	655	Shell-Thick	~686	51,3582	17,1618	1,6964	51,4422	17,0779
.7	656	Shell-Thick	~686	49,3422	9,4083	-0,4853	49,3481	9,4024
.7	656	Shell-Thick	~692	42,0688	7,4394	-1,776	42,1597	7,3486
.7	656	Shell-Thick	~693	42,9802	18,6541	-2,3193	43,1994	18,435
.7	656	Shell-Thick	~687	49,9453	20,8689	-1,0286	49,9816	20,8326
17	657	Shell-Thick	~687	48,1957	12,8662	-1,1934	48,236	12,8259
17	657	Shell-Thick	~693	42,7522	16,7689	-2,2782	42,9504	16,5706
17	657	Shell-Thick	~694	41,6645	18,84	1,968	41,8329	18,6715
17	657	Shell-Thick	~688	47,493	14,5068	3,0529	47,7731	14,2266
17	658	Shell-Thick	~688	47,1923	12,6833	-1,0969	47,2272	12,6485
17	658	Shell-Thick	~694	40,2006	11,8407	6,2636	41,5224	10,5189
17	658	Shell-Thick	~695	47,7287	5,4936	6,5143	48,7107	4,5117
17	658	Shell-Thick	~689	54,3887	6,7568	-0,8462	54,4037	6,7418
17	659	Shell-Thick	~689	54,3062	4,4968	0,1958	54,3069	4,4961
17	659	Shell-Thick	~695	47,2266	4,8303	5,3227	47,8846	4,1723
17	659	Shell-Thick	~696	49,8909	-10,3321	6,9376	50,6798	-11,121
17	659	Shell-Thick	~690	57,4727	-11,0602	1,8107	57,5205	-11,108
17	660	Shell-Thick	~690	60,0041	-1,7726	0,1782	60,0047	-1,7732
17	660	Shell-Thick	~696	50,1089	-5,8728	8,7468	51,4437	-7,2076
17	660	Shell-Thick	~223	56,2768	-26,2903	6,7338	56,8224	-26,8359
.7	660	Shell-Thick	~214	65,808	-21,5418	-1,8349	65,8466	-21,5804
.7	661	Shell-Thick	~691	42,4807	-3,6277	-2,6336	42,6306	-3,7776
.7	661	Shell-Thick	~697	15,4006	-13,6858	0,7254	15,4187	-13,7039
.7	661	Shell-Thick	~698	24,2398	9,9091	-3,0047	24,8443	9,3046
17	661	Shell-Thick	~692	50,861	19,7812	-6,3638	52,1136	18,5286
17	662	Shell-Thick	~692	46,755	7,6342	-1,7225	46,8307	7,5585
17	662	Shell-Thick	~698	24,3663	2,1582	-7,7665	26,8128	-0,2883
17	662	Shell-Thick	~699	19,5249	14,4754	-8,2712	25,6481	8,3522
17	662	Shell-Thick	~693	42,272	19,2549	-2,2272	42,4855	19,0414
17	663	Shell-Thick	~693	41,2715	16,4818	-3,3173	41,7078	16,0456
17	663	Shell-Thick	~699	21,1302	20,2728	-7,038	27,7526	13,6504
17	663	Shell-Thick	~700	17,1581	21,4434	-0,8354	21,6005	17,001
17	663	Shell-Thick	~694	37,0817	17,9143	2,8853	37,5066	17,4894
17	664	Shell-Thick	~694	36.3549	11,6275	-0,8611	36,3849	11,5975
17	664	Shell-Thick	~700	17,4769	25,6904	2,7772	26,5413	16,6261
17	664	Shell-Thick	~701	19,7757	17,7417	17,4435	36,2319	1,2855
17	664	Shell-Thick	~695	39,2864	3,2492	13,8053	43,967	-1,4314
17	665	Shell-Thick	~695	40,9826	4,9589	7,6149	42,5262	3,4154
17	665	Shell-Thick	~701	14,1047	-3,8422	23,8399	30,604	-20,3415
17	665	Shell-Thick	~702	30,021	-20,0295	20,6841	37,4626	-27,4711
17	665	Shell-Thick	~696	56,635	-10,3607	4,4592	56,9305	-10,6562
17	666	Shell-Thick	~696	61,3115	-1,2213	13,3334	64,0358	-3,9456
17	666	Shell-Thick	~702	26,8298	-21,7427	11,6387	29,4746	-24,3875
17	666	Shell-Thick	~232	18,8323	-49,7978	0,5995	18,8375	-49,803
17	666	Shell-Thick	~223	54,1864	-29,1194	2,2942	54,2496	-29,1825
17	667	Shell-Thick	~697	36,4679	-13,2945	7,7258	37,6398	-14,4663
.7	667	Shell-Thick	~703	-12,7696	-45,615	-5,607	-11,8388	-46,5458
17	667	Shell-Thick	~704	-22,7928	-16,4458	-23,1344	3,7318	-42,9703
.7	667	Shell-Thick	~698	26,6965	14,2225	-9,8016	32,0773	8,8418
.7	668	Shell-Thick	~698	20,5737	-0,2302	-12,8525	26,7062	-6,3627
.7	668	Shell-Thick	~704	-15,3949	4,3821	-19,8698	16,688	-27,7008
.7	668	Shell-Thick	~705	-20,2366	19,9004	-10,3434	22,4091	-22,7453
.7	668	Shell-Thick	~699	15,2286	15,2461	-3,3261	18,5635	11,9112
.7	669	Shell-Thick	~699	14,948	19,0733	-10,0822	27,3016	6,7196
.7	669	Shell-Thick	~705	-17,6372	27,6673	-3,6843	27,965	-17,9349
17	669	Shell-Thick	~706	-9,5754	31,5838	8,7108	33,3514	-11,343
17	669	Shell-Thick	~700	23,3073	22,6364	2,3129	25,309	20,6347

17	670	Shell-Thick	~700	25,4308	28,7457	8,8861	36,1276	18,0488
17	670	Shell-Thick	~706	-11,9246	24,3459	2,2218	24,4815	-12,0602
17	670	Shell-Thick	~707	-22,5001	10,5223	4,5469	11,1369	-23,1147
17	670	Shell-Thick	~701	15,0185	15,3257	11,2113	26,3844	3,9598
17	671	Shell-Thick	~701	14,9769	-0,5828	9,8407	19,7416	-5,3474
17	671	Shell-Thick	~707	-23,2587	22,4296	5,7242	23,1359	-23,965
17	671	Shell-Thick	~708	-34,2415	-4,5608	30,8451	14,8283	-53,6307
17	671	Shell-Thick	~702	5,491	-28,0204	34,9616	27,5047	-50,0341
17	672	Shell-Thick	~702	12,7298	-18,6328	16,2161	19,6066	-25,5096
17	672	Shell-Thick	~708	-49,742	-55,2568	49,9902	-2,4332	-102,5656
17	672	Shell-Thick	~241	-16,8236	-89,2714	29,5029	-6,3292	-99,7658
17	672	Shell-Thick	~232	45,4867	-50,3968	-4,2711	45,6766	-50,5867
17	673	Shell-Thick	~703	-73,4449	-64,7914	-4,6934	-62,7347	-75,5016
17	673	Shell-Thick	97	-146,0784	-103,696	31,1128	-87,2432	-162,5313
17	673	Shell-Thick	~165	-92,2523	-47,264	11,512	-44,4893	-95,027
17	673	Shell-Thick	~704	-21,3479	-9,1155	-24,2942	9,8206	-40,2839
17	674	Shell-Thick	~704	-26,1528	-0,8435	-20,1249	10,2748	-37,2711
17	674	Shell-Thick	~165	-76,022	1,5907	7,3149	2,2741	-76,7054
17	674	Shell-Thick	~167	-37,4892	31,8759	17,3255	35,9625	-41,5759
17	674	Shell-Thick	~705	11,4013	29,3019	-10,1143	33,8574	6,8458
17	675	Shell-Thick	~705	9,8049	32,8781	4,4963	33,7233	8,9596
17	675	Shell-Thick	~167	-37,866	18,4332	2,657	18,5584	-37,9912
17	675	Shell-Thick	~169	-39,4255	20,8336	-1,3952	20,8659	-39,4578
17	675	Shell-Thick	~706	8,0527	35,3871	0,4441	35,3943	8,0455
17	676	Shell-Thick	~706	8,8226	31,3477	-0,239	31,3502	8,8201
17	676	Shell-Thick	~169	-39,0318	30,6912	-0,8721	30,7021	-39,0427
17	676	Shell-Thick	~171	-43,9334	12,7526	6,5162	13,492	-44,6728
17	676	Shell-Thick	~707	5,0397	13,1779	7,1493	17,335	0,8826
17	677	Shell-Thick	~707	15,2463	36,2873	22,5936	50,6897	0,8439
17	677	Shell-Thick	~171	-49,5202	12,7424	-8,8993	13,9894	-50,7672
17	677	Shell-Thick	~173	-96,3058	-34,0498	-17,6315	-29,4032	-100,9524
17	677	Shell-Thick	~708	-30,0029	-9,8698	13,8615	-2,8052	-37,0675
17	678	Shell-Thick	~708	-24,9759	-39,7723	29,1582	-2,292	-62,4562
17	678	Shell-Thick	~173	-106,4707	-29,8362	-33,3027	-17,3865	-118,9204
17	678	Shell-Thick	90	-197,159	-108,1791	-11,4925	-106,7187	-198,6194
17	678	Shell-Thick	~241	-111,4228	-118,7226	50,9684	-63,9738	-166,1716
18	679	Shell-Thick	103	-88,4071	-8,994	3,2689	-8,8596	-88,5414
18	679	Shell-Thick	~709	-18,6609	12,5034	-9,6424	15,2455	-21,403
18	679	Shell-Thick	~710	-30,1035	2,8102	-5,6937	3,7673	-31,0606
18	679	Shell-Thick	~711	-100,0682	-18,8826	7,2176	-18,2459	-100,7049
18	680	Shell-Thick	~711	-100,5188	-5,2565	13,4678	-3,3891	-102,3862
18	680	Shell-Thick	~710	-31,4436	-19,7695	-11,7612	-12,4765	-38,7366
18	680	Shell-Thick	~667	-55,4786	-49,07	-26,6571	-25,4253	-79,1233
18	680	Shell-Thick	96	-125,5008	-33,6157	-1,428	-33,5935	-125,523
18	681	Shell-Thick	~709	-40,4058	5,9304	-0,658	5,9397	-40,4152
18	681	Shell-Thick	~712	4,9084	-12,1123	4,5666	6,0562	-13,2601
18	681	Shell-Thick	~713	8,3675	-14,6364	-9,4786	11,7698	-18,0387
18	681	Shell-Thick	~710	-37,0579	3,6433	-14,7031	8,399	-41,8137
18	682	Shell-Thick	~710	-44,4323	-29,4193	-24,1631	-11,6236	-62,228
18	682	Shell-Thick	~713	12,223	0,8318	-0,1937	12,2263	0,8285
18	682	Shell-Thick	~673	28,7559	-4,5301	10,0255	31,5423	-7,3165
18	682	Shell-Thick	~667	-27,8105	-36,4843	-13,9438	-17,5446	-46,7501
18	683	Shell-Thick	~712	10,6685	-11,7953	-6,0492	12,1939	-13,3207
18	683	Shell-Thick	~714	43,7833	8,6392	-0,2345	43,7849	8,6377
18	683	Shell-Thick	~715	47,9923	8,4294	7,0272	49,2034	7,2183
18	683	Shell-Thick	~713	14,9237	-12,4901	1,2125	14,9772	-12,5436
18	684	Shell-Thick	~713	16,5354	-1,3268	5,7655	18,2347	-3,0261

	670	Shell-Thick	~700	25,4308	28,7457	8,8861	36,1276	18,0488
	670	Shell-Thick	~706	-11,9246	24,3459	2,2218	24,4815	-12,0602
	670	Shell-Thick	~707	-22,5001	10,5223	4,5469	11,1369	-23,1147
	670	Shell-Thick	~701	15,0185	15,3257	11,2113	26,3844	3,9598
	671	Shell-Thick	~701	14,9769	-0,5828	9,8407	19,7416	-5,3474
	671	Shell-Thick	~707	-23,2587	22,4296	5,7242	23,1359	-23,965
	671	Shell-Thick	~708	-34,2415	-4,5608	30,8451	14,8283	-53,6307
	671	Shell-Thick	~702	5,491	-28,0204	34,9616	27,5047	-50,0341
	672	Shell-Thick	~702	12,7298	-18,6328	16,2161	19,6066	-25,5096
	672	Shell-Thick	~708	-49,742	-55,2568	49,9902	-2,4332	-102,5656
	672	Shell-Thick	~241	-16,8236	-89,2714	29,5029	-6,3292	-99,7658
	672	Shell-Thick	~232	45,4867	-50,3968	-4,2711	45,6766	-50,5867
	673	Shell-Thick	~703	-73,4449	-64,7914	-4,6934	-62,7347	-75,5016
	673	Shell-Thick	97	-146,0784	-103,696	31,1128	-87,2432	-162,5313
	673	Shell-Thick	~165	-92,2523	-47,264	11,512	-44,4893	-95,027
	673	Shell-Thick	~704	-21,3479	-9,1155	-24,2942	9,8206	-40,2839
	674	Shell-Thick	~704	-26,1528	-0,8435	-20,1249	10,2748	-37,2711
	674	Shell-Thick	~165	-76,022	1,5907	7,3149	2,2741	-76,7054
	674	Shell-Thick	~167	-37,4892	31,8759	17,3255	35,9625	-41,5759
	674	Shell-Thick	~705	11,4013	29,3019	-10,1143	33,8574	6,8458
	675	Shell-Thick	~705	9,8049	32,8781	4,4963	33,7233	8,9596
	675	Shell-Thick	~167	-37,866	18,4332	2,657	18,5584	-37,9912
	675	Shell-Thick	~169	-39,4255	20,8336	-1,3952	20,8659	-39,4578
	675	Shell-Thick	~706	8,0527	35,3871	0,4441	35,3943	8,0455
	676	Shell-Thick	~706	8,8226	31,3477	-0,239	31,3502	8,8201
	676	Shell-Thick	~169	-39,0318	30,6912	-0,8721	30,7021	-39,0427
	676	Shell-Thick	~171	-43,9334	12,7526	6,5162	13,492	-44,6728
	676	Shell-Thick	~707	5,0397	13,1779	7,1493	17,335	0,8826
	677	Shell-Thick	~707	15,2463	36,2873	22,5936	50,6897	0,8439
	677	Shell-Thick	~171	-49,5202	12,7424	-8,8993	13,9894	-50,7672
	677	Shell-Thick	~173	-96,3058	-34,0498	-17,6315	-29,4032	-100,9524
	677	Shell-Thick	~708	-30,0029	-9,8698	13,8615	-2,8052	-37,0675
	678	Shell-Thick	~708	-24,9759	-39,7723	29,1582	-2,292	-62,4562
	678	Shell-Thick	~173	-106,4707	-29,8362	-33,3027	-17,3865	-118,9204
	678	Shell-Thick	90	-197,159	-108,1791	-11,4925	-106,7187	-198,6194
	678	Shell-Thick	~241	-111,4228	-118,7226	50,9684	-63,9738	-166,1716
	679	Shell-Thick	103	-88,4071	-8,994	3,2689	-8,8596	-88,5414
	679	Shell-Thick	~709	-18,6609	12,5034	-9,6424	15,2455	-21,403
	679	Shell-Thick	~710	-30,1035	2,8102	-5,6937	3,7673	-31,0606
	679	Shell-Thick	~711	-100,0682	-18,8826	7,2176	-18,2459	-100,7049
	680	Shell-Thick	~711	-100,5188	-5,2565	13,4678	-3,3891	-102,3862
	680	Shell-Thick	~710	-31,4436	-19,7695	-11,7612	-12,4765	-38,7366
	680	Shell-Thick	~667	-55,4786	-49,07	-26,6571	-25,4253	-79,1233
	680	Shell-Thick	96	-125,5008	-33,6157	-1,428	-33,5935	-125,523
	681	Shell-Thick	~709	-40,4058	5,9304	-0,658	5,9397	-40,4152
	681	Shell-Thick	~712	4,9084	-12,1123	4,5666	6,0562	-13,2601
	681	Shell-Thick	~713	8,3675	-14,6364	-9,4786	11,7698	-18,0387
	681	Shell-Thick	~710	-37,0579	3,6433	-14,7031	8,399	-41,8137
	682	Shell-Thick	~710	-44,4323	-29,4193	-24,1631	-11,6236	-62,228
	682	Shell-Thick	~713	12,223	0,8318	-0,1937	12,2263	0,8285
	682	Shell-Thick	~673	28,7559	-4,5301	10,0255	31,5423	-7,3165
	682	Shell-Thick	~667	-27,8105	-36,4843	-13,9438	-17,5446	-46,7501
	683	Shell-Thick	~712	10,6685	-11,7953	-6,0492	12,1939	-13,3207
	683	Shell-Thick	~714	43,7833	8,6392	-0,2345	43,7849	8,6377
	683	Shell-Thick	~715	47,9923	8,4294	7,0272	49,2034	7,2183
	683	Shell-Thick	~713	14,9237	-12,4901	1,2125	14,9772	-12,5436
8	684	Shell-Thick	~713	16,5354	-1,3268	5,7655	18,2347	-3,0261

18	684	Shell-Thick	~715	47,1917	1,3214	2,5574	47,3339	1,1793
18	684	Shell-Thick	~679	44,224	-2,2487	0,676	44,2338	-2,2586
18	684	Shell-Thick	~673	13,3705	-4,5862	3,884	14,1746	-5,3903
18	685	Shell-Thick	~714	46,0217	8,6262	7,4052	47,4347	7,2132
18	685	Shell-Thick	~716	55,006	-5,1566	5,3923	55,4854	-5,636
18	685	Shell-Thick	~717	53,4214	-5,7468	-2,6825	53,5428	-5,8681
18	685	Shell-Thick	~715	44,4052	8,1726	-0,6696	44,4176	8,1603
18	686	Shell-Thick	~715	42,6847	-0,6478	-0,4783	42,69	-0,6531
18	686	Shell-Thick	~717	56,546	10,094	-2,958	56,7336	9,9064
18	686	Shell-Thick	~685	54,4622	9,5379	1,3385	54,502	9,4981
18	686	Shell-Thick	~679	40,7248	-1,8808	3,8182	41,0643	-2,2203
18	687	Shell-Thick	~716	55,4742	-5,1355	-3,1019	55,6325	-5,2938
18	687	Shell-Thick	~718	50,3553	11,0665	-8,3479	52,0554	9,3663
18	687	Shell-Thick	~719	46,2698	10,3567	0,601	46,2799	10,3467
18	687	Shell-Thick	~717	51,4318	-6,0721	5,847	52,0203	-6,6606
18	688	Shell-Thick	~717	54,4791	9,6627	1,6982	54,5434	9,5984
18	688	Shell-Thick	~719	43,8868	-2,0566	4,8473	44,3926	-2,5624
18	688	Shell-Thick	~691	46,2958	-2,4411	-0,3061	46,2977	-2,4431
18	688	Shell-Thick	~685	56,7449	10,0125	-3,4552	56,999	9,7584
18	689	Shell-Thick	~718	46,4756	10,6974	1,7276	46,5588	10,6141
18	689	Shell-Thick	~720	15,7106	-17,015	11,0001	19,0644	-20,3688
18	689	Shell-Thick	~721	22,7177	-16,8678	-0,2731	22,7195	-16,8697
18	689	Shell-Thick	~719	53,4196	11,3799	-9,5457	55,4855	9,3139
18	690	Shell-Thick	~719	51,8695	0,4401	0,3737	51,8722	0,4374
18	690	Shell-Thick	~721	25,9635	2,5506	-10,3172	29,8611	-1,347
18	690	Shell-Thick	~697	17,0735	-1,1875	-6,3774	19,0802	-3,1942
18	690	Shell-Thick	~691	43,2427	-3,9519	4,3134	43,6337	-4,3429
18	691	Shell-Thick	~720	9,7683	-17,8044	-5,0185	10,6533	-18,6894
18	691	Shell-Thick	~722	-29,6628	14,4822	-3,2505	14,7202	-29,9009
18	691	Shell-Thick	~723	-28,7246	13,1958	17,6214	19,6189	-35,1477
18	691	Shell-Thick	~721	10,8347	-19,6435	15,8534	17,5856	-26,3945
18	692	Shell-Thick	~721	15,8063	3,2856	-0,6491	15,8398	3,252
18	692	Shell-Thick	~723	-39,131	-36,9073	34,3801	-3,6211	-72,4172
18	692	Shell-Thick	~703	-13,6819	-41,5733	18,7136	-4,2891	-50,966
18	692	Shell-Thick	~697	41,0143	0,8343	-16,3155	46,8049	-4,9563
18	693	Shell-Thick	~722	17,6045	25,6263	15,4161	37,5448	5,6861
18	693	Shell-Thick	104	-53,251	-20,482	-23,4933	-8,2241	-65,5089
18	693	Shell-Thick	~724	-84,508	-31,6464	-40,0038	-10,1305	-106,024
18	693	Shell-Thick	~723	-13,4211	14,5658	-1,0943	14,6085	-13,4638
18	694	Shell-Thick	~723	-18,3558	-26,6167	10,0024	-11,6646	-33,3079
18	694	Shell-Thick	~724	-76,3789	25,5081	-51,434	46,9573	-97,8281
18	694	Shell-Thick	97	-128,854	-4,1606	-17,8228	-1,6632	-131,3514
18	694	Shell-Thick	~703	-69,5817	-58,8889	43,6136	-20,2953	-108,1753
19	695	Shell-Thick	102	-58,8089	-4,392	-0,7018	-4,383	-58,818
19	695	Shell-Thick	~725	-7,6606	6,7096	-4,8971	8,2198	-9,1708
19	695	Shell-Thick	~726	-12,3747	-0,9584	-4,375	0,5254	-13,8585
19	695	Shell-Thick	~727	-63,701	-12,2503	-0,1797	-12,2497	-63,7017
19	696	Shell-Thick	~727	-64,4322	-1,4145	3,483	-1,2226	-64,6241
19	696	Shell-Thick	~726	-10,5947	-6,5502	-7,9547	-0,3648	-16,7801
19	696	Shell-Thick	~626	-23,9236	-30,5796	-16,5394	-10,3807	-44,1225
19	696	Shell-Thick	95	-78,4374	-25,4507	-5,1018	-24,9639	-78,9241
19	697	Shell-Thick	~725	-19,9626	2,2013	-1,2712	2,274	-20,0353
19	697	Shell-Thick	~728	12,0931	-3,8863	0,302	12,0988	-3,892
19	697	Shell-Thick	~729	12,8518	-6,4328	-6,4386	14,8039	-8,3849
19	697	Shell-Thick	~726	-19,2876	-0,2931	-8,0118	2,6348	-22,2156
19	698	Shell-Thick	~726	-23,2197	-15,4279	-14,2333	-4,5669	-34,0806
19	698	Shell-Thick	~729	14,9221	-0,6073	-0,2904	14,9275	-0,6127

19	698	Shell-Thick	~632	24,4927	-6,5331	3,8102	24,9538	-6,9942
19	698	Shell-Thick	~626	-13,6954	-22,1813	-10,1327	-6,9532	-28,9235
19	699	Shell-Thick	~728	14,2207	-4,1894	-3,9442	15,0301	-4,9988
19	699	Shell-Thick	~730	31,0392	2,3924	0,0029	31,0392	2,3924
19	699	Shell-Thick	~731	33,984	1,8956	1,7809	34,0826	1,797
19	699	Shell-Thick	~729	17,1687	-4,8409	-2,1662	17,3798	-5,052
19	700	Shell-Thick	~729	17,1663	-2,7266	0,8461	17,2022	-2,7625
19	700	Shell-Thick	~731	34,8388	4,0431	-1,2192	34,887	3,9949
19	700	Shell-Thick	~638	32,6562	0,9856	0,5486	32,6657	0,9761
19	700	Shell-Thick	~632	14,9053	-5,8824	2,6139	15,2289	-6,2061
19	701	Shell-Thick	~730	33,7113	2,657	1,2553	33,762	2,6063
19	701	Shell-Thick	~732	31,7604	0,905	-1,1229	31,8012	0,8642
19	701	Shell-Thick	~733	29,7252	-0,0835	-1,8659	29,8415	-0,1998
19	701	Shell-Thick	~731	31,6702	1,7026	0,5122	31,6789	1,6938
19	702	Shell-Thick	~731	31,9274	2,7993	-0,6266	31,9409	2,7858
19	702	Shell-Thick	~733	30,415	3,5551	-0,7373	30,4352	3,5348
19	702	Shell-Thick	~644	30,0519	2,2514	-0,1499	30,0527	2,2506
19	702	Shell-Thick	~638	31,5859	1,4331	-0,0391	31,5859	1,4331
19	703	Shell-Thick	~732	30,4801	0,9543	-1,6924	30,5768	0,8576
19	703	Shell-Thick	~734	10,8442	-2,1814	1,5773	11,0325	-2,3697
19	703	Shell-Thick	~735	13,2219	-3,0158	1,9676	13,4569	-3,2508
19	703	Shell-Thick	~733	32,8645	0,239	-1,3022	32,9164	0,1871
19	704	Shell-Thick	~733	34,2806	5,1524	0,8208	34,3037	5,1293
19	704	Shell-Thick	~735	12,6332	-3,7918	-0,1486	12,6346	-3,7931
19	704	Shell-Thick	~650	11,2011	-7,1906	-2,7004	11,5894	-7,5789
19	704	Shell-Thick	~644	32,9009	1,997	-1,731	32,9975	1,9004
19	705	Shell-Thick	~734	11,4918	-1,1937	-0,8098	11,5433	-1,2452
19	705	Shell-Thick	~736	-24,5239	1,2547	-0,2431	1,257	-24,5262
19	705	Shell-Thick	~737	-24,7372	-1,8569	4,9337	-0,8384	-25,7557
19	705	Shell-Thick	~735	11,3534	-4,2476	4,367	12,4926	-5,3868
19	706	Shell-Thick	~735	13,1405	-0,835	-0,6096	13,1671	-0,8615
19	706	Shell-Thick	~737	-27,8257	-11,7765	9,9503	-7,0182	-32,584
19	706	Shell-Thick	~656	-21,258	-19,8957	8,2977	-12,2512	-28,9025
19	706	Shell-Thick	~650	19,837	-8,3187	-2,2621	20,0176	-8,4993
19	707	Shell-Thick	~736	-16,5087	5,2249	2,2685	5,4591	-16,743
19	707	Shell-Thick	103	-70,5432	-5,1501	5,158	-4,7458	-70,9475
19	707	Shell-Thick	~711	-69,9445	-13,1289	5,2993	-12,6388	-70,4345
19	707	Shell-Thick	~737	-15,7454	-2,4256	2,4099	-2,003	-16,168
19	708	Shell-Thick	~737	-12,4043	-1,5122	5,367	0,688	-14,6044
19	708	Shell-Thick	~711	-70,2364	1,2039	2,2883	1,2771	-70,3096
19	708	Shell-Thick	96	-78,0222	-24,5239	9,8633	-22,7633	-79,7827
19	708	Shell-Thick	~656	-19,5639	-26,737	12,9421	-9,7206	-36,5803
20	709	Shell-Thick	101	-62,4695	-4,5946	-1,0852	-4,5743	-62,4899
20	709	Shell-Thick	~738	-9,5332	6,5385	-4,5945	7,7592	-10,7539
20	709	Shell-Thick	~739	-13,728	-1,2003	-4,247	0,1037	-15,0321
20	709	Shell-Thick	~740	-66,8456	-12,5266	-0,7377	-12,5166	-66,8556
20	710	Shell-Thick	~740	-67,5963	-1,5459	3,4615	-1,365	-67,7772
20	710	Shell-Thick	~739	-11,8496	-6,5423	-8,3623	-0,4227	-17,9693
20	710	Shell-Thick	~585	-25,5673	-31,0465	-17,0774	-11,0112	-45,6027
20	710	Shell-Thick	94	-82,0015	-26,0587	-5,2536	-25,5696	-82,4906
20	711	Shell-Thick	~738	-21,9721	1,9531	-1,1366	2,007	-22,026
20	711	Shell-Thick	~741	12,0151	-3,4523	0,1291	12,0162	-3,4533
20	711	Shell-Thick	~742	12,5108	-6,1155	-6,4488	14,5256	-8,1302
20	711	Shell-Thick	~739	-21,5596	-0,6691	-7,7145	1,8709	-24,0996
20	712	Shell-Thick	~739	-25,508	-15,7413	-14,5343	-5,2919	-35,9574
20	712	Shell-Thick	~742	14,4299	-1,1897	0,3016	14,4357	-1,1955
20	712	Shell-Thick	~591	24,6901	-7,1753	4,0564	25,1984	-7,6836

)	712	Shell-Thick	~585	-15,3064	-22,5271	-10,7796	-7,5486	-30,2849
)	713	Shell-Thick	~741	13,5143	-3,8875	-3,6174	14,2363	-4,6095
)	713	Shell-Thick	~743	31,9978	1,476	1,0777	32,0358	1,438
)	713	Shell-Thick	~744	35,5363	1,0315	2,0167	35,6538	0,914
)	713	Shell-Thick	~742	17,0525	-4,472	-2,6784	17,3808	-4,8003
)	714	Shell-Thick	~742	16,8577	-3,3387	1,0833	16,9157	-3,3967
0	714	Shell-Thick	~744	36,6556	4,5204	-1,7401	36,7495	4,4264
0	714	Shell-Thick	~597	33,8475	1,3251	0,3998	33,8524	1,3202
0	714	Shell-Thick	~591	13,9813	-6,6825	3,2233	14,4724	-7,1736
0	715	Shell-Thick	~743	34,4277	1,6629	1,3645	34,4845	1,6061
0	715	Shell-Thick	~745	34,7729	2,3859	-1,6874	34,8606	2,2982
0	715	Shell-Thick	~746	32,1928	1,3269	-1,3322	32,2502	1,2695
0	715	Shell-Thick	~744	31,8495	0,5932	1,7196	31,9439	0,4989
0	716	Shell-Thick	~744	32,3064	2,9347	-0,5486	32,3167	2,9245
0	716	Shell-Thick	~746	32,4402	2,5069	0,9403	32,4697	2,4774
0	716	Shell-Thick	~603	33,3939	1,4641	0,6871	33,4087	1,4493
0	716	Shell-Thick	~597	33,2515	1,9217	-0,8018	33,272	1,9012
0	717	Shell-Thick	~745	31,9532	2,1193	-0,6188	31,9661	2,1064
0	717	Shell-Thick	~747	13,6926	-4,781	4,3754	14,6765	-5,7649
0	717	Shell-Thick	~748	17,4754	-5,3262	2,5786	17,7634	-5,6141
)	717	Shell-Thick	~746	35,7315	1,7373	-2,4156	35,9023	-1,5665
)	718	Shell-Thick	~746	36,6238	4,0342	1,6744	36,7096	3,9484
)	718	Shell-Thick	~748	17,5207	-2,9346	-1,5247	17,6337	-3,0476
)	718	Shell-Thick	~609	14,3443	-6,2603	-3,2441	14,843	-6,759
0	718	Shell-Thick	~603	33,5292	0,8005	-0,045	33,5292	0,8005
0	719	Shell-Thick	~747	11,3772	-4,5346	-0,1973	11,3797	-4,537
0	719	Shell-Thick	~749	-21,8747	2,4856	1,4044	2,5663	-21,9554
0	719	Shell-Thick	~750	-21,1805	-0,000956	8,7827	3,1672	-24,3486
0	719	Shell-Thick	~748	12,1591	-7,0989	7,1811	14,542	-9,4817
0	720	Shell-Thick	~748	14,2665	-0,988	-0,048	14,2666	-0,9881
0	720	Shell-Thick	~750	-25,5237	-17,291	16,0949	-4,7944	-38,0203
0	720	Shell-Thick	~615	-14,2305	-23,804	11,355	-6,6945	-31,34
0	720	Shell-Thick	~609	25,5895	-6,6087	-4,7879	26,2864	-7,3056
0	721	Shell-Thick	~749	-8,0605	7,2864	5,5294	9,0711	-9,8452
0	721	Shell-Thick	102	-60,7635	-4,8079	-0,0072	-4,8079	-60,7635
0	721	Shell-Thick	~727	-66,7353	-12,8322	-0,8896	-12,8175	-66,75
0	721	Shell-Thick	~750	-13,8462	-0,572	4,647	0,8931	-15,3113
0	722	Shell-Thick	~750	-12,4759	-8,3495	9,1157	-1,0664	-19,7589
0	722	Shell-Thick	~727	-67,5102	-2,0773	-5,4548	-1,6257	-67,9618
0	722	Shell-Thick	95	-84,0643	-26,5288	3,9152	-26,2636	-84,3295
0	722	Shell-Thick	~615	-28,3123	-32,9523	18,4857	-12,0016	-49,263
1	723	Shell-Thick	100	-66,6176	-2,7376	0,874	-2,7257	-66,6296
1	723	Shell-Thick	~751	-10,4253	5,2827	-4,0198	6,2516	-11,3942
1	723	Shell-Thick	~752	-15,628	-2,8803	-5,6451	-0,7399	-17,7684
1	723	Shell-Thick	~753	-72,0149	-11,061	-0,7512	-11,0517	-72,0242
1	724	Shell-Thick	~753	-73,2437	-3,1677	2,5705	-3,0735	-73,3379
1	724	Shell-Thick	~752	-13,4094	-5,8245	-8,9014	0,0587	-19,2925
1	724	Shell-Thick	~544	-26,6748	-30,911	-16,456	-12,2011	-45,3847
1	724	Shell-Thick	93	-87,1642	-28,4403	-4,9842	-28,0202	-87,5843
1	725	Shell-Thick	~751	-23,8473	0,443	-2,1627	0,6341	-24,0383
1	725	Shell-Thick	~754	12,9825	-2,5036	-0,0228	12,9825	-2,5037
1	725	Shell-Thick	~755	14,0984	-5,0934	-5,3618	15,4948	-6,4898
1	725	Shell-Thick	~752	-22,8037	-2,1602	-7,5017	0,2779	-25,2418
1	726	Shell-Thick	~752	-26,3092	-15,102	-13,9937	-5,6317	-35,7795
1	726	Shell-Thick	~755	15,6679	-1,8314	1,0721	15,7334	-1,8968
1	726	Shell-Thick	~550	25,6326	-8,1096	3,8071	26,0568	-8,5339
1	726	Shell-Thick	~544	-16,4349	-22,1655	-11,2586	-7,6827	-30,9177

	727	Shell-Thick	~754	15,1953	-2,8284	-2,6569	15,5788	-3,2119
	727	Shell-Thick	~756	34,6783	0,8909	1,7529	34,769	0,8002
	727	Shell-Thick	~757	37,859	0,382	1,6995	37,9359	0,3051
	727	Shell-Thick	~755	18,3711	-3,4715	-2,7103	18,7023	-3,8028
	728	Shell-Thick	~755	17,8712	-4,0839	0,8821	17,9065	-4,1193
	728	Shell-Thick	~757	39,3645	6,0224	-1,8992	39,4723	5,9145
	728	Shell-Thick	~556	36,6514	2,8434	1,1805	36,6926	2,8023
	728	Shell-Thick	~550	15,1094	-7,5211	3,9618	15,783	-8,1946
	729	Shell-Thick	~756	37,0323	1,0558	1,1328	37,0679	1,0202
	729	Shell-Thick	~758	37,6901	3,4441	-2,3675	37,853	3,2812
	729	Shell-Thick	~759	34,8578	2,3831	-1,1874	34,9011	2,3398
	729	Shell-Thick	~757	34,2056	-0,0428	2,313	34,3611	-0,1983
	730	Shell-Thick	~757	35,0661	4,4236	0,1287	35,0666	4,423
	730	Shell-Thick	~759	34,9165	2,5133	1,0115	34,9481	2,4818
	730	Shell-Thick	~562	35,3635	1,3317	0,0074	35,3635	1,3317
	730	Shell-Thick	~556	35,4876	3,3498	-0,8754	35,5114	3,326
	731	Shell-Thick	~758	34,9639	3,1966	-0,5519	34,9734	3,187
	731	Shell-Thick	~760	15,2219	-5,4052	4,2019	16,045	-6,2283
	731	Shell-Thick	~761	18,6749	-6,021	1,7292	18,7954	-6,1415
	731	Shell-Thick	~759	38,408	2,7955	-3,0245	38,6631	2,5404
	732	Shell-Thick	~759	39,0754	4,0318	1,0505	39,1068	4,0004
	732	Shell-Thick	~761	19,0566	-2,0119	-2,3692	19,3198	-2,2751
	732	Shell-Thick	~568	15,7979	-5,3264	-3,4357	16,3426	-5,8712
	732	Shell-Thick	~562	35,9107	0,7544	-0,016	35,9107	0,7544
	733	Shell-Thick	~760	12,1869	-5,2837	-0,9522	12,2386	-5,3355
	733	Shell-Thick	~762	-23,2773	2,7686	1,4099	2,8447	-23,3534
	733	Shell-Thick	~763	-22,0461	0,3488	9,2795	3,6942	-25,3915
	733	Shell-Thick	~761	13,5017	-7,7841	6,9174	15,5521	-9,8346
	734	Shell-Thick	~761	15,8651	-0,0376	-0,2541	15,8691	-0,0417
1	734	Shell-Thick	~763	-26,6048	-18,3738	16,5449	-5,4402	-39,5384
1	734	Shell-Thick	~574	-15,2977	-25,0387	11,1645	-7,9876	-32,3488
1	734	Shell-Thick	~568	27,1963	-5,6594	-5,6346	28,1357	-6,5988
1	735	Shell-Thick	~762	-9,0005	7,6945	5,7906	9,5063	-10,8123
1	735	Shell-Thick	101	-65,6038	-5,2695	-0,4682	-5,2658	-65,6074
1	735	Shell-Thick	~740	-71,9964	-13,5088	-1,3718	-13,4767	-72,0286
1	735	Shell-Thick	~763	-15,207	-0,3539	4,887	1,1098	-16,6707
1	736	Shell-Thick	~763	-14,2389	-9,4537	9,1031	-2,434	-21,2586
1	736	Shell-Thick	~740	-72,6053	-2,6129	-5,6898	-2,1534	-73,0648
1	736	Shell-Thick	94	-88,9717	-27,3875	3,979	-27,1315	-89,2278
1	736	Shell-Thick	~574	-29,8922	-34,4046	18,7719	-13,2414	-51,0554
2	737	Shell-Thick	99	-35,3705	-15,7416	16,3489	-6,4875	-44,6246
2	737	Shell-Thick	~764	18,3165	20,6355	-14,5837	34,1057	4,8464
2	737	Shell-Thick	~765	-7,4265	11,4446	-0,7442	11,4739	-7,4558
2	737	Shell-Thick	~766	-61,2991	-25,0596	30,1884	-7,9705	-78,3882
2	738	Shell-Thick	~766	-54,5955	23,3007	37,9052	38,701	-69,9959
2	738	Shell-Thick	~765	-11,7957	-25,244	-8,2023	-7,9137	-29,1261
2	738	Shell-Thick	~498	-52,1542	-51,8726	-39,4899	-12,5232	-91,5035
2	738	Shell-Thick	92	-96,013	-1,4838	6,6175	-1,0227	-96,474
2	739	Shell-Thick	~764	-11,7765	13,2457	1,4785	13,3327	-11,8635
2	739	Shell-Thick	~767	13,7376	-15,4766	3,2804	14,1014	-15,8404
2	739	Shell-Thick	~768	14,9327	-17,0035	-15,0501	20,9073	-22,9782
2	739	Shell-Thick	~765	-10,698	12,1615	-16,8519	21,0942	-19,6306
2	740	Shell-Thick	~765	-19,8398	-31,9359	-31,7615	6,4443	-58,22
2	740	Shell-Thick	~768	19,6851	5,1474	-0,374	19,6948	5,1378
2	740	Shell-Thick	~509	43,3583	3,5313	15,8924	48,9225	-2,033
2	740	Shell-Thick	~498	4,1293	-35,5328	-15,4951	9,4651	-40,8685
2	741	Shell-Thick	~767	21,5447	-14,1937	-11,0627	24,6919	-17,341

22	741	Shell-Thick	~769	38,1053	8,3042	-2,0736	38,2489	8,1606
22	741	Shell-Thick	~770	45,1279	8,912	8,37	46,9688	7,0711
22	741	Shell-Thick	~768	28,6271	-13,9861	-0,6191	28,6361	-13,9951
22	742	Shell-Thick	~768	31,9359	5,299	9,7816	35,142	2,0929
22	742	Shell-Thick	~770	43,894	0,0013	-1,9255	43,9783	-0,083
22	742	Shell-Thick	~515	34,1281	-4,289	-6,2196	35,11	-5,2709
22	742	Shell-Thick	~509	21,9384	1,5459	5,4874	23,3212	0,1631
22	743	Shell-Thick	~769	43,7129	9,1656	5,9973	44,7244	8,1541
22	743	Shell-Thick	~771	37,4496	-2,6792	-0,0645	37,4497	-2,6793
22	743	Shell-Thick	~772	32,4907	-4,1352	-5,8188	33,3929	-5,0374
22	743	Shell-Thick	~770	38,7249	7,8915	0,2429	38,7269	7,8896
22	744	Shell-Thick	~770	36,9732	-1,8273	-6,2782	37,9638	-2,8179
22	744	Shell-Thick	~772	34,2829	5,7863	0,6333	34,297	5,7722
22	744	Shell-Thick	~521	39,5491	5,9052	5,1597	40,3226	5,1317
22	744	Shell-Thick	~515	42,3773	-2,1947	-1,7518	42,4461	-2,2635
22	745	Shell-Thick	~771	34,4151	-2,8631	-4,3957	34,9264	-3,3745
22	745	Shell-Thick	~773	12,9068	-1,7055	2,9748	13,4892	-2,2879
22	745	Shell-Thick	~774	18,5733	-1,9176	5,8998	20,1506	-3,4949
22	745	Shell-Thick	~772	40,1038	-3,0355	-1,4707	40,1538	-3,0856
22	746	Shell-Thick	~772	42,7329	8,2798	5,4959	43,5884	7,4243
22	746	Shell-Thick	~774	17,3116	-6,3958	-1,03	17,3562	-6,4405
22	746	Shell-Thick	~527	11,466	-10,5453	-6,3173	13,1502	-12,2295
22	746	Shell-Thick	~521	36,8878	4,5694	0,2086	36,8891	4,5681
22	747	Shell-Thick	~773	11,9188	-1,169	2,0891	12,2441	-1,4944
22	747	Shell-Thick	~775	-26,7651	-0,1544	2,5511	0,088	-27,0074
22	747	Shell-Thick	~776	-27,0146	-3,0086	7,2568	-0,9855	-29,0377
22	747	Shell-Thick	~774	11,7467	-4,017	6,7948	14,2712	-6,5415
22	748	Shell-Thick	~774	12,6659	-4,5255	-2,7131	13,0839	-4,9435
22	748	Shell-Thick	~776	-30,7242	-16,4522	16,8128	-5,3237	-41,8528
22	748	Shell-Thick	~533	-16,855	-22,8762	14,8879	-4,6763	-35,0549
22	748	Shell-Thick	~527	26,6453	-10,3089	-4,638	27,2185	-10,8821
22	749	Shell-Thick	~775	-11,9103	5,0024	4,0603	5,9266	-12,8345
22	749	Shell-Thick	100	-68,334	-3,0896	-0,7868	-3,0801	-68,3434
22	749	Shell-Thick	~753	-73,8528	-11,4198	0,9063	-11,4067	-73,8659
22	749	Shell-Thick	~776	-17,2163	-3,2348	5,7534	-1,1717	-19,2794
22	750	Shell-Thick	~776	-14,8634	-6,6155	11,8364	1,7948	-23,2737
22	750	Shell-Thick	~753	-75,3253	-3,6368	-5,2525	-3,254	-75,7081
22	750	Shell-Thick	93	-94,1547	-29,7856	2,8871	-29,6564	-94,2839
22	750	Shell-Thick	~533	-32,9782	-32,7654	19,976	-12,8956	-52,848