

Starting 24 point test
Calculating with integers
Scale: 500
274 296
357 422
301 428
272 423
211 311
322 192
218 148
445 28
481 136
191 238
395 406
264 239
284 196
462 418
35 168
43 324
10 184
416 478
389 70
435 435
489 236
399 400
230 260
390 339

Sorted points

10 184
35 168
43 324
191 238
211 311
218 148
230 260
264 239
272 423
274 296
284 196
301 428
322 192
357 422
389 70
390 339
395 406
399 400
416 478
435 435
445 28
462 418
481 136
489 236

nSites: 24

Adding p#0 x10 y184

Adding p#1 x35 y168
BT start: 0 184

Adding p#2 x43 y324
BT start: 2 184
At x: 43 Adding: e#0, X=149; n#2 y184 - y168, y324
R----e#0 X=149; n#2 y184
Priority queue:
R----e#0 X=149; n#2 y184

At x: 149 Removing: e#0 n#2 y184 - y168, y324

Adding p#3 x191 y238
BT start: 1 168
At x: 191 Adding: e#1, X=191; n#6 y168 - y238, y324
R----e#1 X=191; n#6 y168
Priority queue:
R----e#1 X=191; n#6 y168

At x: 191 Removing: e#1 n#6 y168 - y238, y324

Adding p#4 x211 y311
BT start: 3 324
At x: 211 Adding: e#2, X=212; n#3 y324 - y238, y311
R----e#2 X=212; n#3 y324
Priority queue:
R----e#2 X=212; n#3 y324

At x: 212 Removing: e#2 n#3 y324 - y238, y311

Adding p#5 x218 y148
BT start: 1 168
At x: 218 Adding: e#3, X=221; n#10 y168 - y148, y238

R----e#3 X=221; n#10 y168
Priority queue:
R----e#3 X=221; n#10 y168

At x: 221 Removing: e#3 n#10 y168 - y148, y238
At x: 221 Adding: e#4, X=499; n#5 y238 - y148, y311
R----e#4 X=499; n#5 y238

Adding p#6 x230 y260
BT start: 5 238
At x: 230 Invalid: e#4 n#5 y238
At x: 230 Adding: e#5, X=294; n#5 y238 - y148, y260
R----e#5 X=294; n#5 y238
At x: 230 Adding: e#6, X=234; n#12 y238 - y260, y311
R----e#5 X=294; n#5 y238
L----e#6 X=234; n#12 y238
Priority queue:
R----e#5 X=294; n#5 y238
L----e#6 X=234; n#12 y238

At x: 234 Removing: e#6 n#12 y238 - y260, y311

Adding p#7 x264 y239
BT start: 11 260
At x: 264 Adding: e#7, X=269; n#11 y260 - y238, y239
R----e#5 X=294; n#5 y238
L----e#7 X=269; n#11 y260
At x: 264 Adding: e#8, X=357; n#14 y260 - y239, y311
R----e#5 X=294; n#5 y238
L----e#7 X=269; n#11 y260
R----e#8 X=357; n#14 y260
Priority queue:
R----e#5 X=294; n#5 y238
L----e#7 X=269; n#11 y260
R----e#8 X=357; n#14 y260

At x: 269 Removing: e#7 n#11 y260 - y238, y239
At x: 269 Invalid: e#5 n#5 y238
At x: 269 Adding: e#9, X=281; n#5 y238 - y148, y239
R----e#8 X=357; n#14 y260
L----e#9 X=281; n#5 y238

Adding p#8 x272 y423
BT start: 7 311
At x: 272 Adding: e#10, X=433; n#7 y311 - y260, y423
R----e#8 X=357; n#14 y260
L----e#9 X=281; n#5 y238
R----e#10 X=433; n#7 y311
At x: 272 Adding: e#11, X=272; n#16 y311 - y423, y324
R----e#8 X=357; n#14 y260
L----e#9 X=281; n#5 y238
| L----e#11 X=272; n#16 y311
R----e#10 X=433; n#7 y311
Priority queue:
R----e#8 X=357; n#14 y260
L----e#9 X=281; n#5 y238
| L----e#11 X=272; n#16 y311
R----e#10 X=433; n#7 y311

At x: 272 Removing: e#11 n#16 y311 - y423, y324

Adding p#9 x274 y296
BT start: 7 311
At x: 274 Invalid: e#10 n#7 y311
At x: 274 Adding: e#12, X=274; n#7 y311 - y260, y296
R----e#9 X=281; n#5 y238
L----e#12 X=274; n#7 y311
R----e#8 X=357; n#14 y260
At x: 274 Adding: e#13, X=322; n#18 y311 - y296, y423
R----e#9 X=281; n#5 y238
L----e#12 X=274; n#7 y311
R----e#8 X=357; n#14 y260
L----e#13 X=322; n#18 y311
Priority queue:
R----e#9 X=281; n#5 y238
L----e#12 X=274; n#7 y311
R----e#8 X=357; n#14 y260
L----e#13 X=322; n#18 y311

At x: 274 Removing: e#12 n#7 y311 - y260, y296
At x: 274 Invalid: e#8 n#14 y260
At x: 274 Adding: e#14, X=290; n#14 y260 - y239, y296
R----e#14 X=290; n#14 y260
L----e#9 X=281; n#5 y238
R----e#13 X=322; n#18 y311

At x: 281 Removing: e#9 n#5 y238 - y148, y239

Adding p#10 x284 y196
BT start: 9 148
At x: 284 Adding: e#15, X=284; n#20 y148 - y196, y239

R----e#14 X=290; n#14 y260
 L----e#15 X=284; n#20 y148
 R----e#13 X=322; n#18 y311
 Priority queue:
 R----e#14 X=290; n#14 y260
 L----e#15 X=284; n#20 y148
 R----e#13 X=322; n#18 y311

 At x: 284 Removing: e#15 n#20 y148 - y196, y239

 At x: 290 Removing: e#14 n#14 y260 - y239, y296
 At x: 290 Adding: e#16, X=439; n#13 y239 - y196, y296
 R----e#13 X=322; n#18 y311
 R----e#16 X=439; n#13 y239

 Adding p#11 x301 y428
 BT start: 15 423
 At x: 301 Adding: e#17, X=396; n#15 y423 - y311, y428
 R----e#17 X=396; n#15 y423
 L----e#13 X=322; n#18 y311
 R----e#16 X=439; n#13 y239
 Priority queue:
 R----e#17 X=396; n#15 y423
 L----e#13 X=322; n#18 y311
 R----e#16 X=439; n#13 y239

 At x: 322 Removing: e#13 n#18 y311 - y296, y423
 At x: 322 Invalid: e#17 n#15 y423
 At x: 322 Adding: e#18, X=366; n#15 y423 - y296, y428
 R----e#16 X=439; n#13 y239
 L----e#18 X=366; n#15 y423

 Adding p#12 x322 y192
 BT start: 19 196
 At x: 322 Adding: e#19, X=379; n#19 y196 - y148, y192
 R----e#19 X=379; n#19 y196
 L----e#18 X=366; n#15 y423
 R----e#16 X=439; n#13 y239
 At x: 322 Adding: e#20, X=351; n#24 y196 - y192, y239
 R----e#19 X=379; n#19 y196
 L----e#18 X=366; n#15 y423
 | L----e#20 X=351; n#24 y196
 R----e#16 X=439; n#13 y239
 Priority queue:
 R----e#19 X=379; n#19 y196
 L----e#18 X=366; n#15 y423
 | L----e#20 X=351; n#24 y196
 R----e#16 X=439; n#13 y239

 At x: 351 Removing: e#20 n#24 y196 - y192, y239
 At x: 351 Invalid: e#16 n#13 y239
 At x: 351 Adding: e#21, X=392; n#13 y239 - y192, y296
 R----e#19 X=379; n#19 y196
 L----e#18 X=366; n#15 y423
 R----e#21 X=392; n#13 y239

 Adding p#13 x357 y422
 BT start: 21 428
 At x: 357 Adding: e#22, X=468; n#21 y428 - y423, y422
 R----e#19 X=379; n#19 y196
 L----e#18 X=366; n#15 y423
 R----e#21 X=392; n#13 y239
 R----e#22 X=468; n#21 y428
 Priority queue:
 R----e#19 X=379; n#19 y196
 L----e#18 X=366; n#15 y423
 R----e#21 X=392; n#13 y239
 R----e#22 X=468; n#21 y428

 At x: 366 Removing: e#18 n#15 y423 - y296, y428
 At x: 366 Adding: e#23, X=7074; n#17 y296 - y239, y428
 R----e#21 X=392; n#13 y239
 L----e#19 X=379; n#19 y196
 R----e#22 X=468; n#21 y428
 R----e#23 X=7074; n#17 y296
 At x: 366 Invalid: e#22 n#21 y428
 At x: 366 Adding: e#24, X=397; n#21 y428 - y296, y422
 R----e#21 X=392; n#13 y239
 L----e#19 X=379; n#19 y196
 R----e#23 X=7074; n#17 y296
 L----e#24 X=397; n#21 y428

 At x: 379 Removing: e#19 n#19 y196 - y148, y192

 Adding p#14 x389 y70
 BT start: 9 148
 At x: 389 Adding: e#25, X=649; n#9 y148 - y168, y70
 R----e#24 X=397; n#21 y428
 L----e#21 X=392; n#13 y239
 R----e#23 X=7074; n#17 y296
 L----e#25 X=649; n#9 y148

At x: 389 Adding: e#26, X=394; n#28 y148 - y70, y192
 R----e#24 X=397; n#21 y428
 L----e#21 X=392; n#13 y239
 | R----e#26 X=394; n#28 y148
 R----e#23 X=7074; n#17 y296
 L----e#25 X=649; n#9 y148
 Priority queue:
 R----e#24 X=397; n#21 y428
 L----e#21 X=392; n#13 y239
 | R----e#26 X=394; n#28 y148
 R----e#23 X=7074; n#17 y296
 L----e#25 X=649; n#9 y148

 Adding p#15 x390 y339
 BT start: 17 296
 At x: 390 Invalid: e#23 n#17 y296
 At x: 390 Adding: e#27, X=449; n#17 y296 - y239, y339
 R----e#24 X=397; n#21 y428
 L----e#21 X=392; n#13 y239
 | R----e#26 X=394; n#28 y148
 R----e#25 X=649; n#9 y148
 L----e#27 X=449; n#17 y296
 At x: 390 Adding: e#28, X=392; n#30 y296 - y339, y428
 R----e#24 X=397; n#21 y428
 L----e#21 X=392; n#13 y239
 | L----e#28 X=392; n#30 y296
 | R----e#26 X=394; n#28 y148
 R----e#25 X=649; n#9 y148
 L----e#27 X=449; n#17 y296
 Priority queue:
 R----e#24 X=397; n#21 y428
 L----e#21 X=392; n#13 y239
 | L----e#28 X=392; n#30 y296
 | R----e#26 X=394; n#28 y148
 R----e#25 X=649; n#9 y148
 L----e#27 X=449; n#17 y296

 At x: 392 Removing: e#28 n#30 y296 - y339, y428
 At x: 392 Invalid: e#24 n#21 y428
 At x: 392 Adding: e#29, X=393; n#21 y428 - y339, y422
 R----e#24 X=449; n#17 y296
 L----e#29 X=393; n#21 y428
 | L----e#21 X=392; n#13 y239
 | R----e#26 X=394; n#28 y148
 R----e#25 X=649; n#9 y148

 At x: 392 Removing: e#21 n#13 y239 - y192, y296
 At x: 392 Invalid: e#27 n#17 y296
 At x: 392 Adding: e#30, X=432; n#17 y296 - y192, y339
 R----e#26 X=394; n#28 y148
 L----e#29 X=393; n#21 y428
 R----e#24 X=649; n#9 y148
 L----e#30 X=432; n#17 y296

 At x: 393 Removing: e#29 n#21 y428 - y339, y422

 At x: 394 Removing: e#26 n#28 y148 - y70, y192
 At x: 394 Adding: e#31, X=3765; n#23 y192 - y70, y296
 R----e#24 X=649; n#9 y148
 L----e#30 X=432; n#17 y296
 R----e#31 X=3765; n#23 y192

 Adding p#16 x395 y406
 BT start: 25 422
 At x: 395 Adding: e#32, X=407; n#25 y422 - y339, y406
 R----e#24 X=649; n#9 y148
 L----e#30 X=432; n#17 y296
 | L----e#32 X=407; n#25 y422
 R----e#31 X=3765; n#23 y192
 Priority queue:
 R----e#24 X=649; n#9 y148
 L----e#30 X=432; n#17 y296
 | L----e#32 X=407; n#25 y422
 R----e#31 X=3765; n#23 y192

 Adding p#17 x399 y400
 BT start: 31 406
 At x: 399 Adding: e#33, X=404; n#31 y406 - y422, y400
 R----e#24 X=649; n#9 y148
 L----e#32 X=407; n#25 y422
 | L----e#33 X=404; n#31 y406
 | R----e#30 X=432; n#17 y296
 R----e#31 X=3765; n#23 y192
 Priority queue:
 R----e#24 X=649; n#9 y148
 L----e#32 X=407; n#25 y422
 | L----e#33 X=404; n#31 y406
 | R----e#30 X=432; n#17 y296
 R----e#31 X=3765; n#23 y192

 At x: 404 Removing: e#33 n#31 y406 - y422, y400

At x: 404 Invalid: e#32 n#25 y422
At x: 404 Adding: e#34, X=406; n#25 y422 - y339, y400
R----e#24 X=649; n#9 y148
| L----e#30 X=432; n#17 y296
| | L----e#34 X=406; n#25 y422
R----e#31 X=3765; n#23 y192

At x: 406 Removing: e#34 n#25 y422 - y339, y400

Adding p#18 x416 y478
BT start: 32 422
At x: 416 Adding: e#35, X=431; n#32 y422 - y406, y478
R----e#24 X=649; n#9 y148
| L----e#30 X=432; n#17 y296
| | L----e#35 X=431; n#32 y422
R----e#31 X=3765; n#23 y192

At x: 416 Adding: e#36, X=420; n#36 y422 - y478, y428
R----e#24 X=649; n#9 y148
| L----e#35 X=431; n#32 y422
| | L----e#36 X=420; n#36 y422
| | R----e#30 X=432; n#17 y296
R----e#31 X=3765; n#23 y192

Priority queue:
R----e#24 X=649; n#9 y148
| L----e#35 X=431; n#32 y422
| | L----e#36 X=420; n#36 y422
| | R----e#30 X=432; n#17 y296
R----e#31 X=3765; n#23 y192

At x: 420 Removing: e#36 n#36 y422 - y478, y428
At x: 420 Adding: e#37, X=556; n#26 y428 - y478, y423
R----e#24 X=649; n#9 y148
| L----e#30 X=432; n#17 y296
| | L----e#35 X=431; n#32 y422
| | R----e#37 X=556; n#26 y428
R----e#31 X=3765; n#23 y192

At x: 431 Removing: e#35 n#32 y422 - y406, y478
At x: 431 Adding: e#38, X=492; n#34 y406 - y400, y478
R----e#24 X=649; n#9 y148
| L----e#38 X=492; n#34 y406
| | L----e#30 X=432; n#17 y296
| | R----e#37 X=556; n#26 y428
R----e#31 X=3765; n#23 y192

At x: 432 Removing: e#30 n#17 y296 - y192, y339
At x: 432 Invalid: e#31 n#23 y192
At x: 432 Adding: e#39, X=656; n#23 y192 - y70, y339
R----e#37 X=556; n#26 y428
| L----e#38 X=492; n#34 y406
R----e#24 X=649; n#9 y148
| R----e#39 X=656; n#23 y192

Adding p#19 x435 y435
BT start: 34 406
At x: 435 Invalid: e#38 n#34 y406
At x: 435 Adding: e#40, X=443; n#34 y406 - y400, y435
R----e#24 X=649; n#9 y148
| L----e#37 X=556; n#26 y428
| | L----e#40 X=443; n#34 y406
R----e#39 X=656; n#23 y192
At x: 435 Adding: e#41, X=436; n#38 y406 - y435, y478
R----e#24 X=649; n#9 y148
| L----e#40 X=443; n#34 y406
| | L----e#41 X=436; n#38 y406
| | R----e#37 X=556; n#26 y428
R----e#39 X=656; n#23 y192
Priority queue:
R----e#24 X=649; n#9 y148
| L----e#40 X=443; n#34 y406
| | L----e#41 X=436; n#38 y406
| | R----e#37 X=556; n#26 y428
R----e#39 X=656; n#23 y192

At x: 436 Removing: e#41 n#38 y406 - y435, y478

At x: 443 Removing: e#40 n#34 y406 - y400, y435
At x: 443 Adding: e#42, X=563; n#33 y400 - y339, y435
R----e#24 X=649; n#9 y148
| L----e#37 X=556; n#26 y428
| | R----e#42 X=563; n#33 y400
R----e#39 X=656; n#23 y192

Adding p#20 x445 y28
BT start: 27 70
At x: 445 Adding: e#43, X=658; n#27 y70 - y148, y28
R----e#24 X=649; n#9 y148
| L----e#37 X=556; n#26 y428
| | R----e#42 X=563; n#33 y400
R----e#39 X=656; n#23 y192
R----e#43 X=658; n#27 y70

At x: 445 Adding: e#44, X=813; n#40 y70 - y28, y192
R----e#24 X=649; n#9 y148
| L----e#37 X=556; n#26 y428
| | R----e#42 X=563; n#33 y400
R----e#43 X=658; n#27 y70
| L----e#39 X=656; n#23 y192
R----e#44 X=813; n#40 y70

Priority queue:
R----e#24 X=649; n#9 y148
| L----e#37 X=556; n#26 y428
| | R----e#42 X=563; n#33 y400
R----e#43 X=658; n#27 y70
| L----e#39 X=656; n#23 y192
R----e#44 X=813; n#40 y70

Adding p#21 x462 y418
BT start: 37 435
At x: 462 Adding: e#45, X=466; n#37 y435 - y400, y418
R----e#24 X=649; n#9 y148
| L----e#37 X=556; n#26 y428
| | L----e#45 X=466; n#37 y435
| | R----e#42 X=563; n#33 y400
R----e#43 X=658; n#27 y70
| L----e#39 X=656; n#23 y192
R----e#44 X=813; n#40 y70

At x: 462 Adding: e#46, X=551; n#42 y435 - y418, y478
R----e#24 X=649; n#9 y148
| L----e#37 X=556; n#26 y428
| | L----e#45 X=466; n#37 y435
| | | R----e#46 X=551; n#42 y435
| | R----e#42 X=563; n#33 y400
R----e#43 X=658; n#27 y70
| L----e#39 X=656; n#23 y192
R----e#44 X=813; n#40 y70

Priority queue:
R----e#24 X=649; n#9 y148
| L----e#37 X=556; n#26 y428
| | L----e#45 X=466; n#37 y435
| | | R----e#46 X=551; n#42 y435
| | R----e#42 X=563; n#33 y400
R----e#43 X=658; n#27 y70
| L----e#39 X=656; n#23 y192
R----e#44 X=813; n#40 y70

At x: 466 Removing: e#45 n#37 y435 - y400, y418
At x: 466 Invalid: e#42 n#33 y400
At x: 466 Adding: e#47, X=503; n#33 y400 - y339, y418
R----e#24 X=649; n#9 y148
| L----e#46 X=551; n#42 y435
| | L----e#47 X=503; n#33 y400
| | R----e#37 X=556; n#26 y428
R----e#43 X=658; n#27 y70
| L----e#39 X=656; n#23 y192
R----e#44 X=813; n#40 y70

Adding p#22 x481 y136
BT start: 40 70
At x: 481 Invalid: e#44 n#40 y70
At x: 481 Adding: e#48, X=506; n#40 y70 - y28, y136
R----e#24 X=649; n#9 y148
| L----e#46 X=551; n#42 y435
| | L----e#47 X=503; n#33 y400
| | | R----e#48 X=506; n#40 y70
| | R----e#37 X=556; n#26 y428
R----e#43 X=658; n#27 y70
| L----e#39 X=656; n#23 y192

At x: 481 Adding: e#49, X=483; n#44 y70 - y136, y192
R----e#24 X=649; n#9 y148
| L----e#46 X=551; n#42 y435
| | L----e#47 X=503; n#33 y400
| | | L----e#49 X=483; n#44 y70
| | | R----e#48 X=506; n#40 y70
| | R----e#37 X=556; n#26 y428
R----e#43 X=658; n#27 y70
| L----e#39 X=656; n#23 y192

Priority queue:
R----e#24 X=649; n#9 y148
| L----e#46 X=551; n#42 y435
| | L----e#47 X=503; n#33 y400
| | | L----e#49 X=483; n#44 y70
| | | R----e#48 X=506; n#40 y70
| | R----e#37 X=556; n#26 y428
R----e#43 X=658; n#27 y70
| L----e#39 X=656; n#23 y192

At x: 483 Removing: e#49 n#44 y70 - y136, y192
At x: 483 Invalid: e#39 n#23 y192
At x: 483 Adding: e#50, X=538; n#23 y192 - y136, y339
R----e#24 X=649; n#9 y148
| L----e#46 X=551; n#42 y435
| | L----e#48 X=506; n#40 y70

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| | L----e#47 X=503; n#33 y400
| | R----e#50 X=538; n#23 y192
| R----e#37 X=556; n#26 y428
R----e#43 X=658; n#27 y70

Adding p#23 x489 y236
BT start: 23 192
At x: 489 Invalid: e#50 n#23 y192
At x: 489 Adding: e#51, X=501; n#23 y192 - y136, y236
R----e#24 X=649; n#9 y148
| L----e#46 X=551; n#42 y435
| | L----e#47 X=503; n#33 y400
| | | L----e#51 X=501; n#23 y192
| | | R----e#48 X=506; n#40 y70
| | R----e#37 X=556; n#26 y428
| R----e#43 X=658; n#27 y70
At x: 489 Adding: e#52, X=490; n#46 y192 - y236, y339
R----e#24 X=649; n#9 y148
| L----e#47 X=503; n#33 y400
| | L----e#51 X=501; n#23 y192
| | | L----e#52 X=490; n#46 y192
| | R----e#46 X=551; n#42 y435
| | L----e#48 X=506; n#40 y70
| | R----e#37 X=556; n#26 y428
| R----e#43 X=658; n#27 y70
Priority queue:
R----e#24 X=649; n#9 y148
| L----e#47 X=503; n#33 y400
| | L----e#51 X=501; n#23 y192
| | | L----e#52 X=490; n#46 y192
| | R----e#46 X=551; n#42 y435
| | L----e#48 X=506; n#40 y70
| | R----e#37 X=556; n#26 y428
| R----e#43 X=658; n#27 y70

Processing remaining circle events

At x: 490 Removing: e#52 n#46 y192 - y236, y339
At x: 490 Adding: e#53, X=626; n#29 y339 - y236, y400
R----e#46 X=551; n#42 y435
| L----e#47 X=503; n#33 y400
| | L----e#51 X=501; n#23 y192
| | R----e#48 X=506; n#40 y70
| R----e#24 X=649; n#9 y148
| L----e#37 X=556; n#26 y428
| | R----e#53 X=626; n#29 y339
| R----e#43 X=658; n#27 y70
Priority queue
R----e#46 X=551; n#42 y435
| L----e#47 X=503; n#33 y400
| | L----e#51 X=501; n#23 y192
| | R----e#48 X=506; n#40 y70
| R----e#24 X=649; n#9 y148
| L----e#37 X=556; n#26 y428
| | R----e#53 X=626; n#29 y339
| R----e#43 X=658; n#27 y70

At x: 501 Removing: e#51 n#23 y192 - y136, y236
Priority queue
R----e#46 X=551; n#42 y435
| L----e#47 X=503; n#33 y400
| | R----e#48 X=506; n#40 y70
| R----e#24 X=649; n#9 y148
| L----e#37 X=556; n#26 y428
| | R----e#53 X=626; n#29 y339
| R----e#43 X=658; n#27 y70

At x: 503 Removing: e#47 n#33 y400 - y339, y418
At x: 503 Invalid: e#53 n#29 y339
At x: 503 Adding: e#54, X=574; n#29 y339 - y236, y418
R----e#24 X=649; n#9 y148
| L----e#46 X=551; n#42 y435
| | L----e#48 X=506; n#40 y70
| | R----e#37 X=556; n#26 y428
| | R----e#54 X=574; n#29 y339
| R----e#43 X=658; n#27 y70
Priority queue
R----e#24 X=649; n#9 y148
| L----e#46 X=551; n#42 y435
| | L----e#48 X=506; n#40 y70
| | R----e#37 X=556; n#26 y428
| | R----e#54 X=574; n#29 y339
| R----e#43 X=658; n#27 y70

At x: 506 Removing: e#48 n#40 y70 - y28, y136
Priority queue
R----e#24 X=649; n#9 y148
| L----e#37 X=556; n#26 y428
| | L----e#46 X=551; n#42 y435
| | R----e#54 X=574; n#29 y339
| R----e#43 X=658; n#27 y70

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At x: 551 Removing: e#46 n#42 y435 - y418, y478
Priority queue
R----e#24 X=649; n#9 y148
| L----e#37 X=556; n#26 y428
| | R----e#54 X=574; n#29 y339
| R----e#43 X=658; n#27 y70

At x: 556 Removing: e#37 n#26 y428 - y478, y423
Priority queue
R----e#24 X=649; n#9 y148
| L----e#54 X=574; n#29 y339
| R----e#43 X=658; n#27 y70

At x: 574 Removing: e#54 n#29 y339 - y236, y418
Priority queue
R----e#43 X=658; n#27 y70
| L----e#24 X=649; n#9 y148

At x: 649 Removing: e#24 n#9 y148 - y168, y70
At x: 649 Invalid: e#43 n#27 y70
At x: 649 Adding: e#55, X=655; n#27 y70 - y168, y28
R----e#55 X=655; n#27 y70
Priority queue
R----e#55 X=655; n#27 y70

At x: 655 Removing: e#55 n#27 y70 - y168, y28
Empty queue

Elapsed time: 0 (ms)
Segments: 60
Number of priority queue records created: 56
Max BF count: 19
Max BF depth: 5
Max PQ count: 8
Max PQ depth: 4

```

```

Generating Graham scan hull:
Graham scan hull:
20 1 0 2 8 18 21 23 22

```

```

Voronoi hull:
20 1 0 2 8 18 21 23 22

```