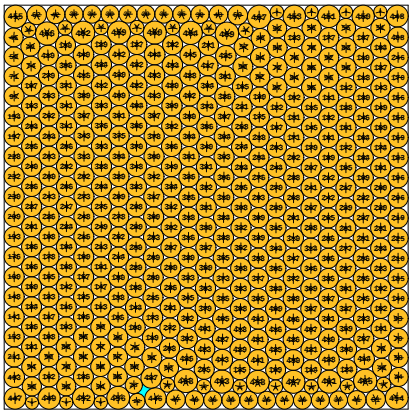
N = 469

469 circles in a square



sumradii = 11.530467544750 density = 0.895775210010
sumperim = 72.448064262084 contacts = 1407

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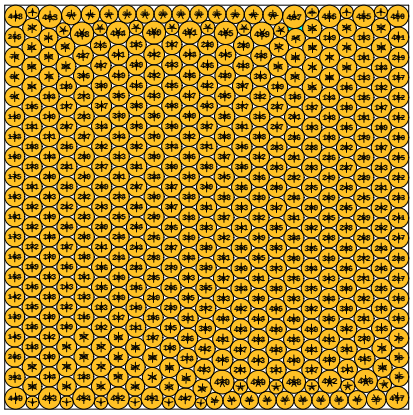
N = 470

470 circles in a square



sumradii = 11.542425317599 density = 0.896146353564
sumperim = 72.523197164756 contacts = 1410

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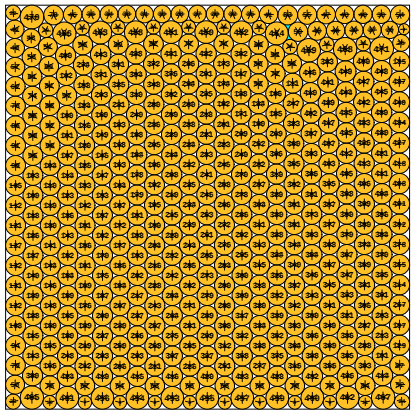
N = 471

471 circles in a square



sumradii = 11.554028199898 density = 0.896277760854
sumperim = 72.596100224338 contacts = 1413

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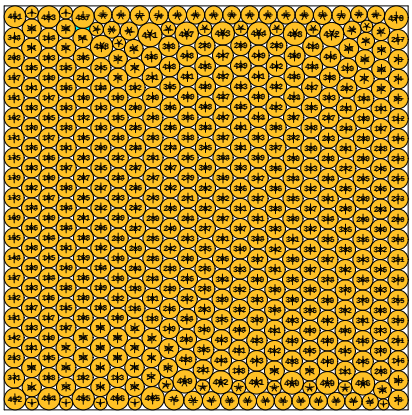
N = 472

472 circles in a square



sumradii = 11.564586103827 density = 0.896108738439
sumperim = 72.662437491179 contacts = 1416

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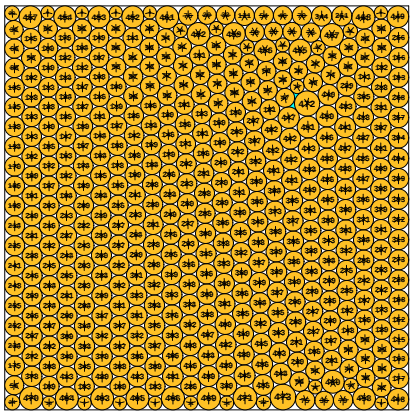
N = 473

473 circles in a square



sumradii = 11.576659866764 density = 0.896081352782
sumperim = 72.738299181067 contacts = 1419

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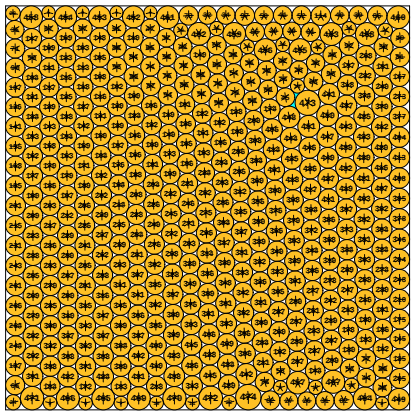
N = 474

474 circles in a square



sumradii = 11.588814281608 density = 0.896051479888
sumperim = 72.814667621832 contacts = 1422

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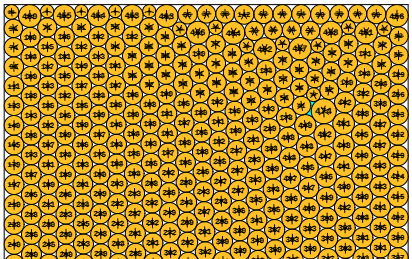
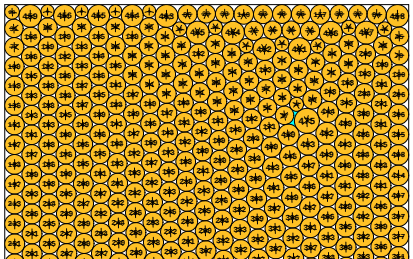
N = 475

475 circles in a square



N = 476

476 circles in a square



N = 477

477 circles in a square

