Matrix chosen: [[95, 31], [6, 2]] for number (5836839, -85440929) -0.06831432041194214

Matrix list sorted by distance from 0: [([[312, 31], [20, 2]], 0.1603879504393125), ([[281, 31], [18, 2]], 0.1603879504393125), ([[250, 31], [16, 2]], 0.1603879504393125), ([[219, 31], [14, 2]], 0.1603879504393125), ([[188, 31], [12, 2]], 0.1603879504393125), ([[157, 31], [10, 2]], 0.1603879504393125), ([[126, 31], [8, 2]], 0.1603879504393125), ([[95, 31], [6, 2]], 0.1603879504393125), ([[64, 31], [4, 2]], 0.1603879504393125), ([[33, 31], [2, 2]], 0.1603879504393125), ([[29, -31], [2, -2]], 0.1603879504393125), ([[60, -31], [4, -2]], 0.1603879504393125), ([[91, -31], [6, -2]], 0.1603879504393125), ([[122, -31], [8, -2]], 0.1603879504393125), ([[153, -31], [10, -2]], 0.1603879504393125), ([[184, -31], [12, -2]], 0.1603879504393125), ([[215, -31], [14, -2]], 0.1603879504393125), ([[246, -31], [16, -2]], 0.1603879504393125), ([[277, -31], [18, -2]], 0.1603879504393125), ([[308, -31], [20, -2]], 0.1603879504393125)]

Matrix chosen: [[58, 31], [-8, -4]] for number (1613527, 10060151) 0.1603879504393125

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.3399852516680842), ([[275, 31], [-36, -4]], 0.3399852516680842), ([[244, 31], [-32, -4]], 0.3399852516680842), ([[213, 31], [-28, -4]], 0.3399852516680842), ([[182, 31], [-24, -4]], 0.3399852516680842), ([[151, 31], [-20, -4]], 0.3399852516680842), ([[120, 31], [-16, -4]], 0.3399852516680842), ([[89, 31], [-12, -4]], 0.3399852516680842), ([[58, 31], [-8, -4]], 0.3399852516680842), ([[27, 31], [-4, -4]], 0.3399852516680842), ([[35, -31], [-4, 4]], 0.3399852516680842), ([[66, -31], [-8, 4]], 0.3399852516680842), ([[97, -31], [-12, 4]], 0.3399852516680842), ([[128, -31], [-16, 4]], 0.3399852516680842), ([[159, -31], [-20, 4]], 0.3399852516680842), ([[190, -31], [-24, 4]], 0.3399852516680842), ([[221, -31], [-28, 4]], 0.3399852516680842), ([[252, -31], [-32, 4]], 0.3399852516680842), ([[283, -31], [-36, 4]], 0.3399852516680842), ([[314, -31], [-40, 4]], 0.3399852516680842)]

Matrix chosen: [[29, -31], [2, -2]] for number (1763489, -24833511) -0.07101247181681238

Matrix list sorted by distance from 0: [([[312, 31], [20, 2]], 0.2947647704911903), ([[281, 31], [18, 2]], 0.2947647704911903), ([[250, 31], [16, 2]], 0.2947647704911903), ([[219, 31], [14, 2]], 0.2947647704911903), ([[188, 31], [12, 2]], 0.2947647704911903), ([[157, 31], [10, 2]], 0.2947647704911903), ([[126, 31], [8, 2]], 0.2947647704911903), ([[95, 31], [6, 2]], 0.2947647704911903), ([[64, 31], [4, 2]], 0.2947647704911903), ([[33, 31], [2, 2]], 0.2947647704911903), ([[60, -31], [4, -2]], 0.2947647704911903), ([[91, -31], [6, -2]], 0.2947647704911903), ([[122, -31], [8, -2]], 0.2947647704911903), ([[153, -31], [10, -2]], 0.2947647704911903), ([[184, -31], [12, -2]], 0.2947647704911903), ([[215, -31], [14, -2]], 0.2947647704911903), ([[246, -31], [16, -2]], 0.2947647704911903), ([[277, -31], [18, -2]], 0.2947647704911903), ([[308, -31], [20, -2]], 0.2947647704911903), ([[29, -31], [2, -2]], 0.7052352295088097)]

Matrix chosen: [[128, -31], [-16, 4]] for number (421534778899, 3124641967611) 0.13490658554435656

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.03671587593632778), ([[275, 31], [-36, -4]], 0.03671587593632778), ([[244, 31], [-32, -4]], 0.03671587593632778), ([[213, 31], [-28, -4]], 0.03671587593632778), ([[182, 31], [-24, -4]], 0.03671587593632778), ([[151, 31], [-20, -4]], 0.03671587593632778), ([[120, 31], [-16, -4]], 0.03671587593632778), ([[89, 31], [-12, -4]], 0.03671587593632778), ([[58, 31], [-8, -4]], 0.03671587593632778), ([[27, 31], [-4, -4]], 0.03671587593632778), ([[35, -31], [-4, 4]], 0.03671587593632778), ([[66, -31], [-8, 4]], 0.03671587593632778), ([[97, -31], [-12, 4]], 0.03671587593632778), ([[128, -31], [-16, 4]], 0.03671587593632778), ([[159, -31], [-20, 4]], 0.03671587593632778), ([[190, -31], [-24, 4]], 0.03671587593632778), ([[221, -31], [-28, 4]], 0.03671587593632778), ([[252, -31], [-32, 4]], 0.03671587593632778), ([[283, -31], [-36, 4]], 0.03671587593632778), ([[314, -31], [-40, 4]], 0.03671587593632778)]

Matrix chosen: [[126, -31], [-8, 2]] for number (20891710679, 569010275425) 0.03671587593632778

Matrix list sorted by distance from 0: [([[308, 31], [-20, -2]], 0.0852066411505897), ([[277, 31], [-18, -2]], 0.0852066411505897), ([[246, 31], [-16, -2]], 0.0852066411505897), ([[215, 31], [-14, -2]], 0.0852066411505897), ([[184, 31], [-12, -2]], 0.0852066411505897), ([[153, 31], [-10, -2]], 0.0852066411505897), ([[122, 31], [-8, -2]], 0.0852066411505897), ([[91, 31], [-6, -2]], 0.0852066411505897), ([[60, 31], [-4, -2]], 0.0852066411505897), ([[29, 31], [-2, -2]], 0.0852066411505897), ([[33, -31], [-2, 2]], 0.0852066411505897), ([[64, -31], [-4, 2]], 0.0852066411505897), ([[95, -31], [-6, 2]], 0.0852066411505897), ([[126, -31], [-8, 2]], 0.0852066411505897), ([[157, -31], [-10, 2]], 0.0852066411505897), ([[188, -31], [-12, 2]], 0.0852066411505897), ([[219, -31], [-14, 2]], 0.0852066411505897), ([[250, -31], [-16, 2]], 0.0852066411505897), ([[281, -31], [-18, 2]], 0.0852066411505897), ([[312, -31], [-20, 2]], 0.0852066411505897)]

Matrix chosen: [[64, -31], [-4, 2]] for number (41783421358, 490377519801) 0.0852066411505897

Matrix list sorted by distance from 0: [([[308, 31], [-20, -2]], 0.26568712381006154), ([[277, 31], [-18, -2]], 0.26568712381006154), ([[246, 31], [-16, -2]], 0.26568712381006154), ([[215, 31], [-14, -2]], 0.26568712381006154), ([[184, 31], [-12, -2]], 0.26568712381006154), ([[153, 31], [-10, -2]], 0.26568712381006154), ([[122, 31], [-8, -2]], 0.26568712381006154), ([[91, 31], [-6, -2]], 0.26568712381006154), ([[60, 31], [-4, -2]], 0.26568712381006154), ([[29, 31], [-2, -2]], 0.26568712381006154), ([[33, -31], [-2, 2]], 0.26568712381006154), ([[64, -31], [-4, 2]], 0.26568712381006154), ([[95, -31], [-6, 2]], 0.26568712381006154), ([[126, -31], [-8, 2]], 0.26568712381006154), ([[157, -31], [-10, 2]], 0.26568712381006154), ([[188, -31], [-12, 2]], 0.26568712381006154), ([[219, -31], [-14, 2]], 0.26568712381006154), ([[250, -31], [-16, 2]], 0.26568712381006154), ([[281, -31], [-18, 2]], 0.26568712381006154), ([[312, -31], [-20, 2]], 0.26568712381006154)]

Matrix chosen: [[302, -31], [80, -8]] for number (20891710679, -78632755624) -0.26568712381006154

Matrix list sorted by distance from 0: [([[318, 31], [80, 8]], 0.005122929467144156), ([[287, 31], [72, 8]], 0.005122929467144156), ([[256, 31], [64, 8]], 0.005122929467144156), ([[225, 31], [56, 8]], 0.005122929467144156), ([[194, 31], [48, 8]], 0.005122929467144156), ([[163, 31], [40, 8]], 0.005122929467144156), ([[132, 31], [32, 8]], 0.005122929467144156), ([[101, 31], [24, 8]], 0.005122929467144156), ([[70, 31], [16, 8]], 0.005122929467144156), ([[39, 31], [8, 8]], 0.005122929467144156), ([[23, -31], [8, -8]], 0.005122929467144156), ([[54, -31], [16, -8]], 0.005122929467144156), ([[85, -31], [24, -8]], 0.005122929467144156), ([[116, -31], [32, -8]], 0.005122929467144156), ([[147, -31], [40, -8]], 0.005122929467144156), ([[178, -31], [48, -8]], 0.005122929467144156), ([[209, -31], [56, -8]], 0.005122929467144156), ([[240, -31], [64, -8]], 0.005122929467144156), ([[302, -31], [80, -8]], 0.005122929467144156), ([[271, -31], [72, -8]], 0.9948770705328558)]

Matrix chosen: [[154, -31], [5, -1]] for number (95189081, -18580986057) -0.005122929467144156

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.006090103806905391), ([[280, 31], [9, 1]], 0.006090103806905391), ([[249, 31], [8, 1]], 0.006090103806905391), ([[218, 31], [7, 1]], 0.006090103806905391), ([[187, 31], [6, 1]], 0.006090103806905391), ([[156, 31], [5, 1]], 0.006090103806905391), ([[125, 31], [4, 1]], 0.006090103806905391), ([[94, 31], [3, 1]], 0.006090103806905391), ([[63, 31], [2, 1]], 0.006090103806905391), ([[32, 31], [1, 1]], 0.006090103806905391), ([[30, -31], [1, -1]], 0.006090103806905391), ([[61, -31], [2, -1]], 0.006090103806905391), ([[92, -31], [3, -1]], 0.006090103806905391), ([[123, -31], [4, -1]], 0.006090103806905391), ([[154, -31], [5, -1]], 0.006090103806905391), ([[185, -31], [6, -1]], 0.006090103806905391), ([[216, -31], [7, -1]], 0.006090103806905391), ([[247, -31], [8, -1]], 0.006090103806905391), ([[278, -31], [9, -1]], 0.006090103806905391), ([[309, -31], [10, -1]], 0.006090103806905391)]

Matrix chosen: [[249, 31], [8, 1]] for number (95189081, -15630124546) -0.006090103806905391

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.00750746165114162), ([[280, 31], [9, 1]], 0.00750746165114162), ([[249, 31], [8, 1]], 0.00750746165114162), ([[218, 31], [7, 1]], 0.00750746165114162), ([[187, 31], [6, 1]], 0.00750746165114162), ([[156, 31], [5, 1]], 0.00750746165114162), ([[125, 31], [4, 1]], 0.00750746165114162), ([[94, 31], [3, 1]], 0.00750746165114162), ([[63, 31], [2, 1]], 0.00750746165114162), ([[32, 31], [1, 1]], 0.00750746165114162), ([[30, -31], [1, -1]], 0.00750746165114162), ([[61, -31], [2, -1]], 0.00750746165114162), ([[92, -31], [3, -1]], 0.00750746165114162), ([[123, -31], [4, -1]], 0.00750746165114162), ([[154, -31], [5, -1]], 0.00750746165114162), ([[185, -31], [6, -1]], 0.00750746165114162), ([[216, -31], [7, -1]], 0.00750746165114162), ([[247, -31], [8, -1]], 0.00750746165114162), ([[278, -31], [9, -1]], 0.00750746165114162), ([[309, -31], [10, -1]], 0.00750746165114162)]

Matrix chosen: [[63, 31], [2, 1]] for number (95189081, -12679263035) -0.00750746165114162

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.009784657917867413), ([[280, 31], [9, 1]], 0.009784657917867413), ([[249, 31], [8, 1]], 0.009784657917867413), ([[218, 31], [7, 1]], 0.009784657917867413), ([[187, 31], [6, 1]], 0.009784657917867413), ([[156, 31], [5, 1]], 0.009784657917867413), ([[125, 31], [4, 1]], 0.009784657917867413), ([[94, 31], [3, 1]], 0.009784657917867413), ([[63, 31], [2, 1]], 0.009784657917867413), ([[32, 31], [1, 1]], 0.009784657917867413), ([[30, -31], [1, -1]], 0.009784657917867413), ([[61, -31], [2, -1]], 0.009784657917867413), ([[92, -31], [3, -1]], 0.009784657917867413), ([[123, -31], [4, -1]], 0.009784657917867413), ([[154, -31], [5, -1]], 0.009784657917867413), ([[185, -31], [6, -1]], 0.009784657917867413), ([[216, -31], [7, -1]], 0.009784657917867413), ([[247, -31], [8, -1]], 0.009784657917867413), ([[278, -31], [9, -1]], 0.009784657917867413), ([[309, -31], [10, -1]], 0.009784657917867413)]

Matrix chosen: [[185, -31], [6, -1]] for number (95189081, -9728401524) -0.009784657917867413

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.014044783331034242), ([[280, 31], [9, 1]], 0.014044783331034242), ([[249, 31], [8, 1]], 0.014044783331034242), ([[218, 31], [7, 1]], 0.014044783331034242), ([[187, 31], [6, 1]], 0.014044783331034242), ([[156, 31], [5, 1]], 0.014044783331034242), ([[125, 31], [4, 1]], 0.014044783331034242), ([[94, 31], [3, 1]], 0.014044783331034242), ([[63, 31], [2, 1]], 0.014044783331034242), ([[32, 31], [1, 1]], 0.014044783331034242), ([[30, -31], [1, -1]], 0.014044783331034242), ([[61, -31], [2, -1]], 0.014044783331034242), ([[92, -31], [3, -1]], 0.014044783331034242), ([[123, -31], [4, -1]], 0.014044783331034242), ([[154, -31], [5, -1]], 0.014044783331034242), ([[185, -31], [6, -1]], 0.014044783331034242), ([[216, -31], [7, -1]], 0.014044783331034242), ([[247, -31], [8, -1]], 0.014044783331034242), ([[278, -31], [9, -1]], 0.014044783331034242), ([[309, -31], [10, -1]], 0.014044783331034242)]

Matrix chosen: [[92, -31], [3, -1]] for number (95189081, -6777540013) -0.014044783331034242

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.02487511844808749), ([[280, 31], [9, 1]], 0.02487511844808749), ([[249, 31], [8, 1]], 0.02487511844808749), ([[218, 31], [7, 1]], 0.02487511844808749), ([[187, 31], [6, 1]], 0.02487511844808749), ([[156, 31], [5, 1]], 0.02487511844808749), ([[125, 31], [4, 1]], 0.02487511844808749), ([[94, 31], [3, 1]], 0.02487511844808749), ([[63, 31], [2, 1]], 0.02487511844808749), ([[32, 31], [1, 1]], 0.02487511844808749), ([[30, -31], [1, -1]], 0.02487511844808749), ([[61, -31], [2, -1]], 0.02487511844808749), ([[92, -31], [3, -1]], 0.02487511844808749), ([[123, -31], [4, -1]], 0.02487511844808749), ([[154, -31], [5, -1]], 0.02487511844808749), ([[185, -31], [6, -1]], 0.02487511844808749), ([[216, -31], [7, -1]], 0.02487511844808749), ([[247, -31], [8, -1]], 0.02487511844808749), ([[278, -31], [9, -1]], 0.02487511844808749), ([[309, -31], [10, -1]], 0.02487511844808749)]

Matrix chosen: [[278, -31], [9, -1]] for number (95189081, -3826678502) -0.02487511844808749

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.10868604055204953), ([[280, 31], [9, 1]], 0.10868604055204953), ([[249, 31], [8, 1]], 0.10868604055204953), ([[218, 31], [7, 1]], 0.10868604055204953), ([[187, 31], [6, 1]], 0.10868604055204953), ([[156, 31], [5, 1]], 0.10868604055204953), ([[125, 31], [4, 1]], 0.10868604055204953), ([[94, 31], [3, 1]], 0.10868604055204953), ([[63, 31], [2, 1]], 0.10868604055204953), ([[32, 31], [1, 1]], 0.10868604055204953), ([[30, -31], [1, -1]], 0.10868604055204953), ([[61, -31], [2, -1]], 0.10868604055204953), ([[92, -31], [3, -1]], 0.10868604055204953), ([[123, -31], [4, -1]], 0.10868604055204953), ([[154, -31], [5, -1]], 0.10868604055204953), ([[185, -31], [6, -1]], 0.10868604055204953), ([[216, -31], [7, -1]], 0.10868604055204953), ([[247, -31], [8, -1]], 0.10868604055204953), ([[278, -31], [9, -1]], 0.10868604055204953), ([[309, -31], [10, -1]], 0.10868604055204953)]

Matrix chosen: [[221, 31], [28, 4]] for number (95189081, -875816991) -0.10868604055204953

Matrix list sorted by distance from 0: [([[314, 31], [40, 4]], 0.3107315782931305), ([[283, 31], [36, 4]], 0.3107315782931305), ([[252, 31], [32, 4]], 0.3107315782931305), ([[221, 31], [28, 4]], 0.3107315782931305), ([[190, 31], [24, 4]], 0.3107315782931305), ([[159, 31], [20, 4]], 0.3107315782931305), ([[128, 31], [16, 4]], 0.3107315782931305), ([[97, 31], [12, 4]], 0.3107315782931305), ([[66, 31], [8, 4]], 0.3107315782931305), ([[35, 31], [4, 4]], 0.3107315782931305), ([[27, -31], [4, -4]], 0.3107315782931305), ([[58, -31], [8, -4]], 0.3107315782931305), ([[89, -31], [12, -4]], 0.3107315782931305), ([[120, -31], [16, -4]], 0.3107315782931305), ([[151, -31], [20, -4]], 0.3107315782931305), ([[182, -31], [24, -4]], 0.3107315782931305), ([[213, -31], [28, -4]], 0.3107315782931305), ([[244, -31], [32, -4]], 0.3107315782931305), ([[275, -31], [36, -4]], 0.3107315782931305), ([[306, -31], [40, -4]], 0.3107315782931305)]

Matrix chosen: [[159, -31], [-20, 4]] for number (9747869737, 60833308769) 0.1602390192848989

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.33745119070961216), ([[275, 31], [-36, -4]], 0.33745119070961216), ([[244, 31], [-32, -4]], 0.33745119070961216), ([[213, 31], [-28, -4]], 0.33745119070961216), ([[182, 31], [-24, -4]], 0.33745119070961216), ([[151, 31], [-20, -4]], 0.33745119070961216), ([[120, 31], [-16, -4]], 0.33745119070961216), ([[89, 31], [-12, -4]], 0.33745119070961216), ([[58, 31], [-8, -4]], 0.33745119070961216), ([[27, 31], [-4, -4]], 0.33745119070961216), ([[35, -31], [-4, 4]], 0.33745119070961216), ([[66, -31], [-8, 4]], 0.33745119070961216), ([[97, -31], [-12, 4]], 0.33745119070961216), ([[128, -31], [-16, 4]], 0.33745119070961216), ([[159, -31], [-20, 4]], 0.33745119070961216), ([[190, -31], [-24, 4]], 0.33745119070961216), ([[221, -31], [-28, 4]], 0.33745119070961216), ([[252, -31], [-32, 4]], 0.33745119070961216), ([[283, -31], [-36, 4]], 0.33745119070961216), ([[314, -31], [-40, 4]], 0.33745119070961216)]

Matrix chosen: [[252, 31], [32, 4]] for number (14043114239, -144830868345) -0.09696216282807926

Matrix list sorted by distance from 0: [([[314, 31], [40, 4]], 0.3901219102808131), ([[283, 31], [36, 4]], 0.3901219102808131), ([[252, 31], [32, 4]], 0.3901219102808131), ([[221, 31], [28, 4]], 0.3901219102808131), ([[190, 31], [24, 4]], 0.3901219102808131), ([[159, 31], [20, 4]], 0.3901219102808131), ([[128, 31], [16, 4]], 0.3901219102808131), ([[97, 31], [12, 4]], 0.3901219102808131), ([[66, 31], [8, 4]], 0.3901219102808131), ([[35, 31], [4, 4]], 0.3901219102808131), ([[27, -31], [4, -4]], 0.3901219102808131), ([[58, -31], [8, -4]], 0.3901219102808131), ([[89, -31], [12, -4]], 0.3901219102808131), ([[120, -31], [16, -4]], 0.3901219102808131), ([[151, -31], [20, -4]], 0.3901219102808131), ([[182, -31], [24, -4]], 0.3901219102808131), ([[213, -31], [28, -4]], 0.3901219102808131), ([[244, -31], [32, -4]], 0.3901219102808131), ([[275, -31], [36, -4]], 0.3901219102808131), ([[306, -31], [40, -4]], 0.3901219102808131)]

Matrix chosen: [[147, -31], [40, -8]] for number (35017763555, -147362677467) -0.2376297998714212

Matrix list sorted by distance from 0: [([[318, 31], [80, 8]], 0.0009626044509707902), ([[287, 31], [72, 8]], 0.0009626044509707902), ([[256, 31], [64, 8]], 0.0009626044509707902), ([[225, 31], [56, 8]], 0.0009626044509707902), ([[194, 31], [48, 8]], 0.0009626044509707902), ([[163, 31], [40, 8]], 0.0009626044509707902), ([[132, 31], [32, 8]], 0.0009626044509707902), ([[70, 31], [16, 8]], 0.0009626044509707902), ([[39, 31], [8, 8]], 0.0009626044509707902), ([[23, -31], [8, -8]], 0.0009626044509707902), ([[54, -31], [16, -8]], 0.0009626044509707902), ([[85, -31], [24, -8]], 0.0009626044509707902), ([[116, -31], [32, -8]], 0.0009626044509707902), ([[147, -31], [40, -8]], 0.0009626044509707902), ([[178, -31], [48, -8]], 0.0009626044509707902), ([[209, -31], [56, -8]], 0.0009626044509707902), ([[240, -31], [64, -8]], 0.0009626044509707902), ([[271, -31], [72, -8]], 0.0009626044509707902), ([[302, -31], [80, -8]], 0.0009626044509707902), ([[101, 31], [24, 8]], 0.9990373955490293)]

Matrix chosen: [[30, -31], [1, -1]] for number (89859847, -93350749531) -0.0009626044509707902

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0009922128135607488), ([[280, 31], [9, 1]], 0.0009922128135607488), ([[249, 31], [8, 1]], 0.0009922128135607488), ([[218, 31], [7, 1]], 0.0009922128135607488), ([[187, 31], [6, 1]], 0.0009922128135607488), ([[156, 31], [5, 1]], 0.0009922128135607488), ([[125, 31], [4, 1]], 0.0009922128135607488), ([[94, 31], [3, 1]], 0.0009922128135607488), ([[63, 31], [2, 1]], 0.0009922128135607488), ([[32, 31], [1, 1]], 0.0009922128135607488), ([[30, -31], [1, -1]], 0.0009922128135607488), ([[61, -31], [2, -1]], 0.0009922128135607488), ([[92, -31], [3, -1]], 0.0009922128135607488), ([[123, -31], [4, -1]], 0.0009922128135607488), ([[154, -31], [5, -1]], 0.0009922128135607488), ([[185, -31], [6, -1]], 0.0009922128135607488), ([[216, -31], [7, -1]], 0.0009922128135607488), ([[247, -31], [8, -1]], 0.0009922128135607488), ([[278, -31], [9, -1]], 0.0009922128135607488), ([[309, -31], [10, -1]], 0.0009922128135607488)]

Matrix chosen: [[278, -31], [9, -1]] for number (89859847, -90565094274) -0.0009922128135607488

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0010237004018970445), ([[280, 31], [9, 1]], 0.0010237004018970445), ([[249, 31], [8, 1]], 0.0010237004018970445), ([[218, 31], [7, 1]], 0.0010237004018970445), ([[187, 31], [6, 1]], 0.0010237004018970445), ([[156, 31], [5, 1]], 0.0010237004018970445), ([[125, 31], [4, 1]], 0.0010237004018970445), ([[94, 31], [3, 1]], 0.0010237004018970445), ([[63, 31], [2, 1]], 0.0010237004018970445), ([[32, 31], [1, 1]], 0.0010237004018970445), ([[30, -31], [1, -1]], 0.0010237004018970445), ([[61, -31], [2, -1]], 0.0010237004018970445), ([[92, -31], [3, -1]], 0.0010237004018970445), ([[123, -31], [4, -1]], 0.0010237004018970445), ([[154, -31], [5, -1]], 0.0010237004018970445), ([[185, -31], [6, -1]], 0.0010237004018970445), ([[216, -31], [7, -1]], 0.0010237004018970445), ([[247, -31], [8, -1]], 0.0010237004018970445), ([[278, -31], [9, -1]], 0.0010237004018970445), ([[309, -31], [10, -1]], 0.0010237004018970445)]

Matrix chosen: [[61, -31], [2, -1]] for number (89859847, -87779439017) -0.0010237004018970445

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0010572519897895179), ([[280, 31], [9, 1]], 0.0010572519897895179), ([[249, 31], [8, 1]], 0.0010572519897895179), ([[218, 31], [7, 1]], 0.0010572519897895179), ([[187, 31], [6, 1]], 0.0010572519897895179), ([[156, 31], [5, 1]], 0.0010572519897895179), ([[125, 31], [4, 1]], 0.0010572519897895179), ([[94, 31], [3, 1]], 0.0010572519897895179), ([[63, 31], [2, 1]], 0.0010572519897895179), ([[32, 31], [1, 1]], 0.0010572519897895179), ([[30, -31], [1, -1]], 0.0010572519897895179), ([[61, -31], [2, -1]], 0.0010572519897895179), ([[92, -31], [3, -1]], 0.0010572519897895179), ([[123, -31], [4, -1]], 0.0010572519897895179), ([[154, -31], [5, -1]], 0.0010572519897895179), ([[185, -31], [6, -1]], 0.0010572519897895179), ([[216, -31], [7, -1]], 0.0010572519897895179), ([[247, -31], [8, -1]], 0.0010572519897895179), ([[278, -31], [9, -1]], 0.0010572519897895179), ([[309, -31], [10, -1]], 0.0010572519897895179)]

Matrix chosen: [[216, -31], [7, -1]] for number (89859847, -84993783760) -0.0010572519897895179

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.001093077395585289), ([[280, 31], [9, 1]], 0.001093077395585289), ([[249, 31], [8, 1]], 0.001093077395585289), ([[218, 31], [7, 1]], 0.001093077395585289), ([[187, 31], [6, 1]], 0.001093077395585289), ([[156, 31], [5, 1]], 0.001093077395585289), ([[125, 31], [4, 1]], 0.001093077395585289), ([[94, 31], [3, 1]], 0.001093077395585289), ([[63, 31], [2, 1]], 0.001093077395585289), ([[32, 31], [1, 1]], 0.001093077395585289), ([[30, -31], [1, -1]], 0.001093077395585289), ([[61, -31], [2, -1]], 0.001093077395585289), ([[92, -31], [3, -1]], 0.001093077395585289), ([[123, -31], [4, -1]], 0.001093077395585289), ([[154, -31], [5, -1]], 0.001093077395585289), ([[185, -31], [6, -1]], 0.001093077395585289), ([[216, -31], [7, -1]], 0.001093077395585289), ([[247, -31], [8, -1]], 0.001093077395585289), ([[278, -31], [9, -1]], 0.001093077395585289), ([[309, -31], [10, -1]], 0.001093077395585289)]

Matrix chosen: [[61, -31], [2, -1]] for number (89859847, -82208128503) -0.001093077395585289

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0011314158742157486), ([[280, 31], [9, 1]], 0.0011314158742157486), ([[249, 31], [8, 1]], 0.0011314158742157486), ([[218, 31], [7, 1]], 0.0011314158742157486), ([[187, 31], [6, 1]], 0.0011314158742157486), ([[156, 31], [5, 1]], 0.0011314158742157486), ([[125, 31], [4, 1]], 0.0011314158742157486), ([[94, 31], [3, 1]], 0.0011314158742157486), ([[63, 31], [2, 1]], 0.0011314158742157486), ([[32, 31], [1, 1]], 0.0011314158742157486), ([[30, -31], [1, -1]], 0.0011314158742157486), ([[61, -31], [2, -1]], 0.0011314158742157486), ([[92, -31], [3, -1]], 0.0011314158742157486), ([[123, -31], [4, -1]], 0.0011314158742157486), ([[154, -31], [5, -1]], 0.0011314158742157486), ([[185, -31], [6, -1]], 0.0011314158742157486), ([[216, -31], [7, -1]], 0.0011314158742157486), ([[247, -31], [8, -1]], 0.0011314158742157486), ([[278, -31], [9, -1]], 0.0011314158742157486), ([[309, -31], [10, -1]], 0.0011314158742157486)]

Matrix chosen: [[249, 31], [8, 1]] for number (89859847, -79422473246) -0.0011314158742157486

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0011725414671169927), ([[280, 31], [9, 1]], 0.0011725414671169927), ([[249, 31], [8, 1]], 0.0011725414671169927), ([[218, 31], [7, 1]], 0.0011725414671169927), ([[187, 31], [6, 1]], 0.0011725414671169927), ([[156, 31], [5, 1]], 0.0011725414671169927), ([[125, 31], [4, 1]], 0.0011725414671169927), ([[94, 31], [3, 1]], 0.0011725414671169927), ([[63, 31], [2, 1]], 0.0011725414671169927), ([[32, 31], [1, 1]], 0.0011725414671169927), ([[30, -31], [1, -1]], 0.0011725414671169927), ([[61, -31], [2, -1]], 0.0011725414671169927), ([[92, -31], [3, -1]], 0.0011725414671169927), ([[123, -31], [4, -1]], 0.0011725414671169927), ([[154, -31], [5, -1]], 0.0011725414671169927), ([[185, -31], [6, -1]], 0.0011725414671169927), ([[216, -31], [7, -1]], 0.0011725414671169927), ([[247, -31], [8, -1]], 0.0011725414671169927), ([[278, -31], [9, -1]], 0.0011725414671169927), ([[309, -31], [10, -1]], 0.0011725414671169927)]

Matrix chosen: [[123, -31], [4, -1]] for number (89859847, -76636817989) -0.0011725414671169927

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0012167695629396417), ([[280, 31], [9, 1]], 0.0012167695629396417), ([[249, 31], [8, 1]], 0.0012167695629396417), ([[218, 31], [7, 1]], 0.0012167695629396417), ([[187, 31], [6, 1]], 0.0012167695629396417), ([[156, 31], [5, 1]], 0.0012167695629396417), ([[125, 31], [4, 1]], 0.0012167695629396417), ([[94, 31], [3, 1]], 0.0012167695629396417), ([[63, 31], [2, 1]], 0.0012167695629396417), ([[32, 31], [1, 1]], 0.0012167695629396417), ([[30, -31], [1, -1]], 0.0012167695629396417), ([[61, -31], [2, -1]], 0.0012167695629396417), ([[92, -31], [3, -1]], 0.0012167695629396417), ([[123, -31], [4, -1]], 0.0012167695629396417), ([[154, -31], [5, -1]], 0.0012167695629396417), ([[185, -31], [6, -1]], 0.0012167695629396417), ([[216, -31], [7, -1]], 0.0012167695629396417), ([[247, -31], [8, -1]], 0.0012167695629396417), ([[278, -31], [9, -1]], 0.0012167695629396417), ([[309, -31], [10, -1]], 0.0012167695629396417)]

Matrix chosen: [[154, -31], [5, -1]] for number (89859847, -73851162732) -0.0012167695629396417

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0012644650012752195), ([[280, 31], [9, 1]], 0.0012644650012752195), ([[249, 31], [8, 1]], 0.0012644650012752195), ([[218, 31], [7, 1]], 0.0012644650012752195), ([[187, 31], [6, 1]], 0.0012644650012752195), ([[156, 31], [5, 1]], 0.0012644650012752195), ([[125, 31], [4, 1]], 0.0012644650012752195), ([[94, 31], [3, 1]], 0.0012644650012752195), ([[63, 31], [2, 1]], 0.0012644650012752195), ([[32, 31], [1, 1]], 0.0012644650012752195), ([[30, -31], [1, -1]], 0.0012644650012752195), ([[61, -31], [2, -1]], 0.0012644650012752195), ([[92, -31], [3, -1]], 0.0012644650012752195), ([[123, -31], [4, -1]], 0.0012644650012752195), ([[154, -31], [5, -1]], 0.0012644650012752195), ([[185, -31], [6, -1]], 0.0012644650012752195), ([[216, -31], [7, -1]], 0.0012644650012752195), ([[247, -31], [8, -1]], 0.0012644650012752195), ([[278, -31], [9, -1]], 0.0012644650012752195), ([[309, -31], [10, -1]], 0.0012644650012752195)]

Matrix chosen: [[185, -31], [6, -1]] for number (89859847, -71065507475) -0.0012644650012752195

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0013160521600588798), ([[280, 31], [9, 1]], 0.0013160521600588798), ([[249, 31], [8, 1]], 0.0013160521600588798), ([[218, 31], [7, 1]], 0.0013160521600588798), ([[187, 31], [6, 1]], 0.0013160521600588798), ([[156, 31], [5, 1]], 0.0013160521600588798), ([[125, 31], [4, 1]], 0.0013160521600588798), ([[94, 31], [3, 1]], 0.0013160521600588798), ([[63, 31], [2, 1]], 0.0013160521600588798), ([[32, 31], [1, 1]], 0.0013160521600588798), ([[30, -31], [1, -1]], 0.0013160521600588798), ([[61, -31], [2, -1]], 0.0013160521600588798), ([[92, -31], [3, -1]], 0.0013160521600588798), ([[123, -31], [4, -1]], 0.0013160521600588798), ([[154, -31], [5, -1]], 0.0013160521600588798), ([[185, -31], [6, -1]], 0.0013160521600588798), ([[216, -31], [7, -1]], 0.0013160521600588798), ([[247, -31], [8, -1]], 0.0013160521600588798), ([[278, -31], [9, -1]], 0.0013160521600588798), ([[309, -31], [10, -1]], 0.0013160521600588798)]

Matrix chosen: [[280, 31], [9, 1]] for number (89859847, -68279852218) -0.0013160521600588798

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0013720276172484271), ([[280, 31], [9, 1]], 0.0013720276172484271), ([[249, 31], [8, 1]], 0.0013720276172484271), ([[218, 31], [7, 1]], 0.0013720276172484271), ([[187, 31], [6, 1]], 0.0013720276172484271), ([[156, 31], [5, 1]], 0.0013720276172484271), ([[125, 31], [4, 1]], 0.0013720276172484271), ([[94, 31], [3, 1]], 0.0013720276172484271), ([[63, 31], [2, 1]], 0.0013720276172484271), ([[32, 31], [1, 1]], 0.0013720276172484271), ([[30, -31], [1, -1]], 0.0013720276172484271), ([[61, -31], [2, -1]], 0.0013720276172484271), ([[92, -31], [3, -1]], 0.0013720276172484271), ([[123, -31], [4, -1]], 0.0013720276172484271), ([[154, -31], [5, -1]], 0.0013720276172484271), ([[185, -31], [6, -1]], 0.0013720276172484271), ([[216, -31], [7, -1]], 0.0013720276172484271), ([[247, -31], [8, -1]], 0.0013720276172484271), ([[278, -31], [9, -1]], 0.0013720276172484271), ([[309, -31], [10, -1]], 0.0013720276172484271)]

Matrix chosen: [[218, 31], [7, 1]] for number (89859847, -65494196961) -0.0013720276172484271

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0014329761872658585), ([[280, 31], [9, 1]], 0.0014329761872658585), ([[249, 31], [8, 1]], 0.0014329761872658585), ([[218, 31], [7, 1]], 0.0014329761872658585), ([[187, 31], [6, 1]], 0.0014329761872658585), ([[156, 31], [5, 1]], 0.0014329761872658585), ([[125, 31], [4, 1]], 0.0014329761872658585), ([[94, 31], [3, 1]], 0.0014329761872658585), ([[63, 31], [2, 1]], 0.0014329761872658585), ([[32, 31], [1, 1]], 0.0014329761872658585), ([[30, -31], [1, -1]], 0.0014329761872658585), ([[61, -31], [2, -1]], 0.0014329761872658585), ([[92, -31], [3, -1]], 0.0014329761872658585), ([[123, -31], [4, -1]], 0.0014329761872658585), ([[154, -31], [5, -1]], 0.0014329761872658585), ([[185, -31], [6, -1]], 0.0014329761872658585), ([[216, -31], [7, -1]], 0.0014329761872658585), ([[247, -31], [8, -1]], 0.0014329761872658585), ([[278, -31], [9, -1]], 0.0014329761872658585), ([[309, -31], [10, -1]], 0.0014329761872658585)]

Matrix chosen: [[61, -31], [2, -1]] for number (89859847, -62708541704) -0.0014329761872658585

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0014995914303874253), ([[280, 31], [9, 1]], 0.0014995914303874253), ([[249, 31], [8, 1]], 0.0014995914303874253), ([[218, 31], [7, 1]], 0.0014995914303874253), ([[187, 31], [6, 1]], 0.0014995914303874253), ([[156, 31], [5, 1]], 0.0014995914303874253), ([[125, 31], [4, 1]], 0.0014995914303874253), ([[94, 31], [3, 1]], 0.0014995914303874253), ([[63, 31], [2, 1]], 0.0014995914303874253), ([[32, 31], [1, 1]], 0.0014995914303874253), ([[30, -31], [1, -1]], 0.0014995914303874253), ([[61, -31], [2, -1]], 0.0014995914303874253), ([[92, -31], [3, -1]], 0.0014995914303874253), ([[123, -31], [4, -1]], 0.0014995914303874253), ([[154, -31], [5, -1]], 0.0014995914303874253), ([[185, -31], [6, -1]], 0.0014995914303874253), ([[216, -31], [7, -1]], 0.0014995914303874253), ([[247, -31], [8, -1]], 0.0014995914303874253), ([[278, -31], [9, -1]], 0.0014995914303874253), ([[309, -31], [10, -1]], 0.0014995914303874253)]

Matrix chosen: [[311, 31], [10, 1]] for number (89859847, -59922886447) -0.0014995914303874253

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0015727021615938403), ([[280, 31], [9, 1]], 0.0015727021615938403), ([[249, 31], [8, 1]], 0.0015727021615938403), ([[218, 31], [7, 1]], 0.0015727021615938403), ([[187, 31], [6, 1]], 0.0015727021615938403), ([[156, 31], [5, 1]], 0.0015727021615938403), ([[125, 31], [4, 1]], 0.0015727021615938403), ([[94, 31], [3, 1]], 0.0015727021615938403), ([[63, 31], [2, 1]], 0.0015727021615938403), ([[32, 31], [1, 1]], 0.0015727021615938403), ([[30, -31], [1, -1]], 0.0015727021615938403), ([[61, -31], [2, -1]], 0.0015727021615938403), ([[92, -31], [3, -1]], 0.0015727021615938403), ([[123, -31], [4, -1]], 0.0015727021615938403), ([[154, -31], [5, -1]], 0.0015727021615938403), ([[185, -31], [6, -1]], 0.0015727021615938403), ([[216, -31], [7, -1]], 0.0015727021615938403), ([[247, -31], [8, -1]], 0.0015727021615938403), ([[278, -31], [9, -1]], 0.0015727021615938403), ([[309, -31], [10, -1]], 0.0015727021615938403)]

Matrix chosen: [[247, -31], [8, -1]] for number (89859847, -57137231190) -0.0015727021615938403

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.001653307111292809), ([[280, 31], [9, 1]], 0.001653307111292809), ([[249, 31], [8, 1]], 0.001653307111292809), ([[218, 31], [7, 1]], 0.001653307111292809), ([[187, 31], [6, 1]], 0.001653307111292809), ([[156, 31], [5, 1]], 0.001653307111292809), ([[125, 31], [4, 1]], 0.001653307111292809), ([[94, 31], [3, 1]], 0.001653307111292809), ([[63, 31], [2, 1]], 0.001653307111292809), ([[32, 31], [1, 1]], 0.001653307111292809), ([[30, -31], [1, -1]], 0.001653307111292809), ([[61, -31], [2, -1]], 0.001653307111292809), ([[92, -31], [3, -1]], 0.001653307111292809), ([[123, -31], [4, -1]], 0.001653307111292809), ([[154, -31], [5, -1]], 0.001653307111292809), ([[185, -31], [6, -1]], 0.001653307111292809), ([[216, -31], [7, -1]], 0.001653307111292809), ([[247, -31], [8, -1]], 0.001653307111292809), ([[278, -31], [9, -1]], 0.001653307111292809), ([[309, -31], [10, -1]], 0.001653307111292809)]

Matrix chosen: [[280, 31], [9, 1]] for number (89859847, -54351575933) -0.001653307111292809

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.001742620820533956), ([[280, 31], [9, 1]], 0.001742620820533956), ([[249, 31], [8, 1]], 0.001742620820533956), ([[218, 31], [7, 1]], 0.001742620820533956), ([[187, 31], [6, 1]], 0.001742620820533956), ([[156, 31], [5, 1]], 0.001742620820533956), ([[125, 31], [4, 1]], 0.001742620820533956), ([[94, 31], [3, 1]], 0.001742620820533956), ([[63, 31], [2, 1]], 0.001742620820533956), ([[32, 31], [1, 1]], 0.001742620820533956), ([[30, -31], [1, -1]], 0.001742620820533956), ([[61, -31], [2, -1]], 0.001742620820533956), ([[92, -31], [3, -1]], 0.001742620820533956), ([[123, -31], [4, -1]], 0.001742620820533956), ([[154, -31], [5, -1]], 0.001742620820533956), ([[185, -31], [6, -1]], 0.001742620820533956), ([[216, -31], [7, -1]], 0.001742620820533956), ([[247, -31], [8, -1]], 0.001742620820533956), ([[278, -31], [9, -1]], 0.001742620820533956), ([[309, -31], [10, -1]], 0.001742620820533956)]

Matrix chosen: [[280, 31], [9, 1]] for number (89859847, -51565920676) -0.001742620820533956

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0018421352616297866), ([[280, 31], [9, 1]], 0.0018421352616297866), ([[249, 31], [8, 1]], 0.0018421352616297866), ([[218, 31], [7, 1]], 0.0018421352616297866), ([[187, 31], [6, 1]], 0.0018421352616297866), ([[156, 31], [5, 1]], 0.0018421352616297866), ([[125, 31], [4, 1]], 0.0018421352616297866), ([[94, 31], [3, 1]], 0.0018421352616297866), ([[63, 31], [2, 1]], 0.0018421352616297866), ([[32, 31], [1, 1]], 0.0018421352616297866), ([[30, -31], [1, -1]], 0.0018421352616297866), ([[61, -31], [2, -1]], 0.0018421352616297866), ([[92, -31], [3, -1]], 0.0018421352616297866), ([[123, -31], [4, -1]], 0.0018421352616297866), ([[154, -31], [5, -1]], 0.0018421352616297866), ([[185, -31], [6, -1]], 0.0018421352616297866), ([[216, -31], [7, -1]], 0.0018421352616297866), ([[247, -31], [8, -1]], 0.0018421352616297866), ([[278, -31], [9, -1]], 0.0018421352616297866), ([[309, -31], [10, -1]], 0.0018421352616297866)]

Matrix chosen: [[187, 31], [6, 1]] for number (89859847, -48780265419) -0.0018421352616297866

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0019537038510273265), ([[280, 31], [9, 1]], 0.0019537038510273265), ([[249, 31], [8, 1]], 0.0019537038510273265), ([[218, 31], [7, 1]], 0.0019537038510273265), ([[187, 31], [6, 1]], 0.0019537038510273265), ([[156, 31], [5, 1]], 0.0019537038510273265), ([[125, 31], [4, 1]], 0.0019537038510273265), ([[94, 31], [3, 1]], 0.0019537038510273265), ([[63, 31], [2, 1]], 0.0019537038510273265), ([[32, 31], [1, 1]], 0.0019537038510273265), ([[30, -31], [1, -1]], 0.0019537038510273265), ([[61, -31], [2, -1]], 0.0019537038510273265), ([[92, -31], [3, -1]], 0.0019537038510273265), ([[123, -31], [4, -1]], 0.0019537038510273265), ([[154, -31], [5, -1]], 0.0019537038510273265), ([[185, -31], [6, -1]], 0.0019537038510273265), ([[216, -31], [7, -1]], 0.0019537038510273265), ([[247, -31], [8, -1]], 0.0019537038510273265), ([[278, -31], [9, -1]], 0.0019537038510273265), ([[309, -31], [10, -1]], 0.0019537038510273265)]

Matrix chosen: [[185, -31], [6, -1]] for number (89859847, -45994610162) -0.0019537038510273265

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.002079657959734678), ([[280, 31], [9, 1]], 0.002079657959734678), ([[249, 31], [8, 1]], 0.002079657959734678), ([[218, 31], [7, 1]], 0.002079657959734678), ([[187, 31], [6, 1]], 0.002079657959734678), ([[156, 31], [5, 1]], 0.002079657959734678), ([[125, 31], [4, 1]], 0.002079657959734678), ([[94, 31], [3, 1]], 0.002079657959734678), ([[63, 31], [2, 1]], 0.002079657959734678), ([[32, 31], [1, 1]], 0.002079657959734678), ([[30, -31], [1, -1]], 0.002079657959734678), ([[61, -31], [2, -1]], 0.002079657959734678), ([[92, -31], [3, -1]], 0.002079657959734678), ([[123, -31], [4, -1]], 0.002079657959734678), ([[154, -31], [5, -1]], 0.002079657959734678), ([[185, -31], [6, -1]], 0.002079657959734678), ([[216, -31], [7, -1]], 0.002079657959734678), ([[247, -31], [8, -1]], 0.002079657959734678), ([[278, -31], [9, -1]], 0.002079657959734678), ([[309, -31], [10, -1]], 0.002079657959734678)]

Matrix chosen: [[247, -31], [8, -1]] for number (89859847, -43208954905) -0.002079657959734678

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.002222971597630228), ([[280, 31], [9, 1]], 0.002222971597630228), ([[249, 31], [8, 1]], 0.002222971597630228), ([[218, 31], [7, 1]], 0.002222971597630228), ([[187, 31], [6, 1]], 0.002222971597630228), ([[156, 31], [5, 1]], 0.002222971597630228), ([[125, 31], [4, 1]], 0.002222971597630228), ([[94, 31], [3, 1]], 0.002222971597630228), ([[63, 31], [2, 1]], 0.002222971597630228), ([[32, 31], [1, 1]], 0.002222971597630228), ([[30, -31], [1, -1]], 0.002222971597630228), ([[61, -31], [2, -1]], 0.002222971597630228), ([[92, -31], [3, -1]], 0.002222971597630228), ([[123, -31], [4, -1]], 0.002222971597630228), ([[154, -31], [5, -1]], 0.002222971597630228), ([[185, -31], [6, -1]], 0.002222971597630228), ([[216, -31], [7, -1]], 0.002222971597630228), ([[247, -31], [8, -1]], 0.002222971597630228), ([[278, -31], [9, -1]], 0.002222971597630228), ([[309, -31], [10, -1]], 0.002222971597630228)]

Matrix chosen: [[249, 31], [8, 1]] for number (89859847, -40423299648) -0.002222971597630228

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.002387499229932878), ([[280, 31], [9, 1]], 0.002387499229932878), ([[249, 31], [8, 1]], 0.002387499229932878), ([[218, 31], [7, 1]], 0.002387499229932878), ([[187, 31], [6, 1]], 0.002387499229932878), ([[156, 31], [5, 1]], 0.002387499229932878), ([[125, 31], [4, 1]], 0.002387499229932878), ([[94, 31], [3, 1]], 0.002387499229932878), ([[63, 31], [2, 1]], 0.002387499229932878), ([[32, 31], [1, 1]], 0.002387499229932878), ([[30, -31], [1, -1]], 0.002387499229932878), ([[61, -31], [2, -1]], 0.002387499229932878), ([[92, -31], [3, -1]], 0.002387499229932878), ([[123, -31], [4, -1]], 0.002387499229932878), ([[154, -31], [5, -1]], 0.002387499229932878), ([[185, -31], [6, -1]], 0.002387499229932878), ([[216, -31], [7, -1]], 0.002387499229932878), ([[247, -31], [8, -1]], 0.002387499229932878), ([[278, -31], [9, -1]], 0.002387499229932878), ([[309, -31], [10, -1]], 0.002387499229932878)]

Matrix chosen: [[185, -31], [6, -1]] for number (89859847, -37637644391) -0.002387499229932878

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.002578327643065195), ([[280, 31], [9, 1]], 0.002578327643065195), ([[249, 31], [8, 1]], 0.002578327643065195), ([[218, 31], [7, 1]], 0.002578327643065195), ([[187, 31], [6, 1]], 0.002578327643065195), ([[156, 31], [5, 1]], 0.002578327643065195), ([[125, 31], [4, 1]], 0.002578327643065195), ([[94, 31], [3, 1]], 0.002578327643065195), ([[63, 31], [2, 1]], 0.002578327643065195), ([[32, 31], [1, 1]], 0.002578327643065195), ([[30, -31], [1, -1]], 0.002578327643065195), ([[61, -31], [2, -1]], 0.002578327643065195), ([[92, -31], [3, -1]], 0.002578327643065195), ([[123, -31], [4, -1]], 0.002578327643065195), ([[154, -31], [5, -1]], 0.002578327643065195), ([[185, -31], [6, -1]], 0.002578327643065195), ([[216, -31], [7, -1]], 0.002578327643065195), ([[247, -31], [8, -1]], 0.002578327643065195), ([[278, -31], [9, -1]], 0.002578327643065195), ([[309, -31], [10, -1]], 0.002578327643065195)]

Matrix chosen: [[123, -31], [4, -1]] for number (89859847, -34851989134) -0.002578327643065195

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.002802311213520207), ([[280, 31], [9, 1]], 0.002802311213520207), ([[249, 31], [8, 1]], 0.002802311213520207), ([[218, 31], [7, 1]], 0.002802311213520207), ([[187, 31], [6, 1]], 0.002802311213520207), ([[156, 31], [5, 1]], 0.002802311213520207), ([[125, 31], [4, 1]], 0.002802311213520207), ([[94, 31], [3, 1]], 0.002802311213520207), ([[63, 31], [2, 1]], 0.002802311213520207), ([[32, 31], [1, 1]], 0.002802311213520207), ([[30, -31], [1, -1]], 0.002802311213520207), ([[61, -31], [2, -1]], 0.002802311213520207), ([[92, -31], [3, -1]], 0.002802311213520207), ([[123, -31], [4, -1]], 0.002802311213520207), ([[154, -31], [5, -1]], 0.002802311213520207), ([[185, -31], [6, -1]], 0.002802311213520207), ([[216, -31], [7, -1]], 0.002802311213520207), ([[247, -31], [8, -1]], 0.002802311213520207), ([[278, -31], [9, -1]], 0.002802311213520207), ([[309, -31], [10, -1]], 0.002802311213520207)]

Matrix chosen: [[309, -31], [10, -1]] for number (89859847, -32066333877) -0.002802311213520207

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.003068912717706677), ([[280, 31], [9, 1]], 0.003068912717706677), ([[249, 31], [8, 1]], 0.003068912717706677), ([[218, 31], [7, 1]], 0.003068912717706677), ([[187, 31], [6, 1]], 0.003068912717706677), ([[156, 31], [5, 1]], 0.003068912717706677), ([[125, 31], [4, 1]], 0.003068912717706677), ([[94, 31], [3, 1]], 0.003068912717706677), ([[63, 31], [2, 1]], 0.003068912717706677), ([[32, 31], [1, 1]], 0.003068912717706677), ([[30, -31], [1, -1]], 0.003068912717706677), ([[61, -31], [2, -1]], 0.003068912717706677), ([[92, -31], [3, -1]], 0.003068912717706677), ([[123, -31], [4, -1]], 0.003068912717706677), ([[154, -31], [5, -1]], 0.003068912717706677), ([[185, -31], [6, -1]], 0.003068912717706677), ([[216, -31], [7, -1]], 0.003068912717706677), ([[247, -31], [8, -1]], 0.003068912717706677), ([[278, -31], [9, -1]], 0.003068912717706677), ([[309, -31], [10, -1]], 0.003068912717706677)]

Matrix chosen: [[61, -31], [2, -1]] for number (89859847, -29280678620) -0.003068912717706677

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.003391574552279439), ([[280, 31], [9, 1]], 0.003391574552279439), ([[249, 31], [8, 1]], 0.003391574552279439), ([[218, 31], [7, 1]], 0.003391574552279439), ([[187, 31], [6, 1]], 0.003391574552279439), ([[156, 31], [5, 1]], 0.003391574552279439), ([[125, 31], [4, 1]], 0.003391574552279439), ([[94, 31], [3, 1]], 0.003391574552279439), ([[63, 31], [2, 1]], 0.003391574552279439), ([[32, 31], [1, 1]], 0.003391574552279439), ([[30, -31], [1, -1]], 0.003391574552279439), ([[61, -31], [2, -1]], 0.003391574552279439), ([[92, -31], [3, -1]], 0.003391574552279439), ([[123, -31], [4, -1]], 0.003391574552279439), ([[154, -31], [5, -1]], 0.003391574552279439), ([[185, -31], [6, -1]], 0.003391574552279439), ([[216, -31], [7, -1]], 0.003391574552279439), ([[247, -31], [8, -1]], 0.003391574552279439), ([[278, -31], [9, -1]], 0.003391574552279439), ([[309, -31], [10, -1]], 0.003391574552279439)]

Matrix chosen: [[32, 31], [1, 1]] for number (89859847, -26495023363) -0.003391574552279439

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0037900565969642887), ([[280, 31], [9, 1]], 0.0037900565969642887), ([[249, 31], [8, 1]], 0.0037900565969642887), ([[218, 31], [7, 1]], 0.0037900565969642887), ([[187, 31], [6, 1]], 0.0037900565969642887), ([[156, 31], [5, 1]], 0.0037900565969642887), ([[125, 31], [4, 1]], 0.0037900565969642887), ([[94, 31], [3, 1]], 0.0037900565969642887), ([[63, 31], [2, 1]], 0.0037900565969642887), ([[32, 31], [1, 1]], 0.0037900565969642887), ([[30, -31], [1, -1]], 0.0037900565969642887), ([[61, -31], [2, -1]], 0.0037900565969642887), ([[92, -31], [3, -1]], 0.0037900565969642887), ([[123, -31], [4, -1]], 0.0037900565969642887), ([[154, -31], [5, -1]], 0.0037900565969642887), ([[185, -31], [6, -1]], 0.0037900565969642887), ([[216, -31], [7, -1]], 0.0037900565969642887), ([[247, -31], [8, -1]], 0.0037900565969642887), ([[278, -31], [9, -1]], 0.0037900565969642887), ([[309, -31], [10, -1]], 0.0037900565969642887)]

Matrix chosen: [[247, -31], [8, -1]] for number (89859847, -23709368106) -0.0037900565969642887

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.004294641569997202), ([[280, 31], [9, 1]], 0.004294641569997202), ([[249, 31], [8, 1]], 0.004294641569997202), ([[218, 31], [7, 1]], 0.004294641569997202), ([[187, 31], [6, 1]], 0.004294641569997202), ([[156, 31], [5, 1]], 0.004294641569997202), ([[125, 31], [4, 1]], 0.004294641569997202), ([[94, 31], [3, 1]], 0.004294641569997202), ([[63, 31], [2, 1]], 0.004294641569997202), ([[32, 31], [1, 1]], 0.004294641569997202), ([[30, -31], [1, -1]], 0.004294641569997202), ([[61, -31], [2, -1]], 0.004294641569997202), ([[92, -31], [3, -1]], 0.004294641569997202), ([[123, -31], [4, -1]], 0.004294641569997202), ([[154, -31], [5, -1]], 0.004294641569997202), ([[185, -31], [6, -1]], 0.004294641569997202), ([[216, -31], [7, -1]], 0.004294641569997202), ([[247, -31], [8, -1]], 0.004294641569997202), ([[278, -31], [9, -1]], 0.004294641569997202), ([[309, -31], [10, -1]], 0.004294641569997202)]

Matrix chosen: [[311, 31], [10, 1]] for number (89859847, -20923712849) -0.004294641569997202

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.004954215551704595), ([[280, 31], [9, 1]], 0.004954215551704595), ([[249, 31], [8, 1]], 0.004954215551704595), ([[218, 31], [7, 1]], 0.004954215551704595), ([[187, 31], [6, 1]], 0.004954215551704595), ([[156, 31], [5, 1]], 0.004954215551704595), ([[125, 31], [4, 1]], 0.004954215551704595), ([[94, 31], [3, 1]], 0.004954215551704595), ([[63, 31], [2, 1]], 0.004954215551704595), ([[32, 31], [1, 1]], 0.004954215551704595), ([[30, -31], [1, -1]], 0.004954215551704595), ([[61, -31], [2, -1]], 0.004954215551704595), ([[92, -31], [3, -1]], 0.004954215551704595), ([[123, -31], [4, -1]], 0.004954215551704595), ([[154, -31], [5, -1]], 0.004954215551704595), ([[185, -31], [6, -1]], 0.004954215551704595), ([[216, -31], [7, -1]], 0.004954215551704595), ([[247, -31], [8, -1]], 0.004954215551704595), ([[278, -31], [9, -1]], 0.004954215551704595), ([[309, -31], [10, -1]], 0.004954215551704595)]

Matrix chosen: [[185, -31], [6, -1]] for number (89859847, -18138057592) -0.004954215551704595

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.005853145653637535), ([[280, 31], [9, 1]], 0.005853145653637535), ([[249, 31], [8, 1]], 0.005853145653637535), ([[218, 31], [7, 1]], 0.005853145653637535), ([[187, 31], [6, 1]], 0.005853145653637535), ([[156, 31], [5, 1]], 0.005853145653637535), ([[125, 31], [4, 1]], 0.005853145653637535), ([[94, 31], [3, 1]], 0.005853145653637535), ([[63, 31], [2, 1]], 0.005853145653637535), ([[32, 31], [1, 1]], 0.005853145653637535), ([[30, -31], [1, -1]], 0.005853145653637535), ([[61, -31], [2, -1]], 0.005853145653637535), ([[92, -31], [3, -1]], 0.005853145653637535), ([[123, -31], [4, -1]], 0.005853145653637535), ([[154, -31], [5, -1]], 0.005853145653637535), ([[185, -31], [6, -1]], 0.005853145653637535), ([[216, -31], [7, -1]], 0.005853145653637535), ([[247, -31], [8, -1]], 0.005853145653637535), ([[278, -31], [9, -1]], 0.005853145653637535), ([[309, -31], [10, -1]], 0.005853145653637535)]

Matrix chosen: [[63, 31], [2, 1]] for number (89859847, -15352402335) -0.005853145653637535

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.00715060519975876), ([[280, 31], [9, 1]], 0.00715060519975876), ([[249, 31], [8, 1]], 0.00715060519975876), ([[218, 31], [7, 1]], 0.00715060519975876), ([[187, 31], [6, 1]], 0.00715060519975876), ([[156, 31], [5, 1]], 0.00715060519975876), ([[125, 31], [4, 1]], 0.00715060519975876), ([[94, 31], [3, 1]], 0.00715060519975876), ([[63, 31], [2, 1]], 0.00715060519975876), ([[32, 31], [1, 1]], 0.00715060519975876), ([[30, -31], [1, -1]], 0.00715060519975876), ([[61, -31], [2, -1]], 0.00715060519975876), ([[92, -31], [3, -1]], 0.00715060519975876), ([[123, -31], [4, -1]], 0.00715060519975876), ([[154, -31], [5, -1]], 0.00715060519975876), ([[185, -31], [6, -1]], 0.00715060519975876), ([[216, -31], [7, -1]], 0.00715060519975876), ([[247, -31], [8, -1]], 0.00715060519975876), ([[278, -31], [9, -1]], 0.00715060519975876), ([[309, -31], [10, -1]], 0.00715060519975876)]

Matrix chosen: [[154, -31], [5, -1]] for number (89859847, -12566747078) -0.00715060519975876

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.009187097784632892), ([[280, 31], [9, 1]], 0.009187097784632892), ([[249, 31], [8, 1]], 0.009187097784632892), ([[218, 31], [7, 1]], 0.009187097784632892), ([[187, 31], [6, 1]], 0.009187097784632892), ([[156, 31], [5, 1]], 0.009187097784632892), ([[125, 31], [4, 1]], 0.009187097784632892), ([[94, 31], [3, 1]], 0.009187097784632892), ([[63, 31], [2, 1]], 0.009187097784632892), ([[32, 31], [1, 1]], 0.009187097784632892), ([[30, -31], [1, -1]], 0.009187097784632892), ([[61, -31], [2, -1]], 0.009187097784632892), ([[92, -31], [3, -1]], 0.009187097784632892), ([[123, -31], [4, -1]], 0.009187097784632892), ([[154, -31], [5, -1]], 0.009187097784632892), ([[185, -31], [6, -1]], 0.009187097784632892), ([[216, -31], [7, -1]], 0.009187097784632892), ([[247, -31], [8, -1]], 0.009187097784632892), ([[278, -31], [9, -1]], 0.009187097784632892), ([[309, -31], [10, -1]], 0.009187097784632892)]

Matrix chosen: [[30, -31], [1, -1]] for number (89859847, -9781091821) -0.009187097784632892

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.012845495227908696), ([[280, 31], [9, 1]], 0.012845495227908696), ([[249, 31], [8, 1]], 0.012845495227908696), ([[218, 31], [7, 1]], 0.012845495227908696), ([[187, 31], [6, 1]], 0.012845495227908696), ([[156, 31], [5, 1]], 0.012845495227908696), ([[125, 31], [4, 1]], 0.012845495227908696), ([[94, 31], [3, 1]], 0.012845495227908696), ([[63, 31], [2, 1]], 0.012845495227908696), ([[32, 31], [1, 1]], 0.012845495227908696), ([[30, -31], [1, -1]], 0.012845495227908696), ([[61, -31], [2, -1]], 0.012845495227908696), ([[92, -31], [3, -1]], 0.012845495227908696), ([[123, -31], [4, -1]], 0.012845495227908696), ([[154, -31], [5, -1]], 0.012845495227908696), ([[185, -31], [6, -1]], 0.012845495227908696), ([[216, -31], [7, -1]], 0.012845495227908696), ([[247, -31], [8, -1]], 0.012845495227908696), ([[278, -31], [9, -1]], 0.012845495227908696), ([[309, -31], [10, -1]], 0.012845495227908696)]

Matrix chosen: [[30, -31], [1, -1]] for number (89859847, -6995436564) -0.012845495227908696

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.02134549052478844), ([[280, 31], [9, 1]], 0.02134549052478844), ([[249, 31], [8, 1]], 0.02134549052478844), ([[218, 31], [7, 1]], 0.02134549052478844), ([[187, 31], [6, 1]], 0.02134549052478844), ([[156, 31], [5, 1]], 0.02134549052478844), ([[125, 31], [4, 1]], 0.02134549052478844), ([[94, 31], [3, 1]], 0.02134549052478844), ([[63, 31], [2, 1]], 0.02134549052478844), ([[32, 31], [1, 1]], 0.02134549052478844), ([[30, -31], [1, -1]], 0.02134549052478844), ([[61, -31], [2, -1]], 0.02134549052478844), ([[92, -31], [3, -1]], 0.02134549052478844), ([[123, -31], [4, -1]], 0.02134549052478844), ([[154, -31], [5, -1]], 0.02134549052478844), ([[185, -31], [6, -1]], 0.02134549052478844), ([[216, -31], [7, -1]], 0.02134549052478844), ([[247, -31], [8, -1]], 0.02134549052478844), ([[278, -31], [9, -1]], 0.02134549052478844), ([[309, -31], [10, -1]], 0.02134549052478844)]

Matrix chosen: [[185, -31], [6, -1]] for number (89859847, -4209781307) -0.02134549052478844

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.06309823979415305), ([[280, 31], [9, 1]], 0.06309823979415305), ([[249, 31], [8, 1]], 0.06309823979415305), ([[218, 31], [7, 1]], 0.06309823979415305), ([[187, 31], [6, 1]], 0.06309823979415305), ([[156, 31], [5, 1]], 0.06309823979415305), ([[125, 31], [4, 1]], 0.06309823979415305), ([[94, 31], [3, 1]], 0.06309823979415305), ([[63, 31], [2, 1]], 0.06309823979415305), ([[32, 31], [1, 1]], 0.06309823979415305), ([[30, -31], [1, -1]], 0.06309823979415305), ([[61, -31], [2, -1]], 0.06309823979415305), ([[92, -31], [3, -1]], 0.06309823979415305), ([[123, -31], [4, -1]], 0.06309823979415305), ([[154, -31], [5, -1]], 0.06309823979415305), ([[185, -31], [6, -1]], 0.06309823979415305), ([[216, -31], [7, -1]], 0.06309823979415305), ([[247, -31], [8, -1]], 0.06309823979415305), ([[278, -31], [9, -1]], 0.06309823979415305), ([[309, -31], [10, -1]], 0.06309823979415305)]

Matrix chosen: [[185, -31], [6, -1]] for number (89859847, -1424126050) -0.06309823979415305

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.06599920628805138), ([[280, 31], [9, 1]], 0.06599920628805138), ([[249, 31], [8, 1]], 0.06599920628805138), ([[218, 31], [7, 1]], 0.06599920628805138), ([[187, 31], [6, 1]], 0.06599920628805138), ([[156, 31], [5, 1]], 0.06599920628805138), ([[125, 31], [4, 1]], 0.06599920628805138), ([[94, 31], [3, 1]], 0.06599920628805138), ([[63, 31], [2, 1]], 0.06599920628805138), ([[32, 31], [1, 1]], 0.06599920628805138), ([[30, -31], [1, -1]], 0.06599920628805138), ([[61, -31], [2, -1]], 0.06599920628805138), ([[92, -31], [3, -1]], 0.06599920628805138), ([[123, -31], [4, -1]], 0.06599920628805138), ([[154, -31], [5, -1]], 0.06599920628805138), ([[185, -31], [6, -1]], 0.06599920628805138), ([[216, -31], [7, -1]], 0.06599920628805138), ([[247, -31], [8, -1]], 0.06599920628805138), ([[278, -31], [9, -1]], 0.06599920628805138), ([[309, -31], [10, -1]], 0.06599920628805138)]

Matrix chosen: [[60, 31], [-4, -2]] for number (89859847, 1361529207) 0.06599920628805138

Matrix list sorted by distance from 0: [([[308, 31], [-20, -2]], 0.12893357896659421), ([[277, 31], [-18, -2]], 0.12893357896659421), ([[246, 31], [-16, -2]], 0.12893357896659421), ([[215, 31], [-14, -2]], 0.12893357896659421), ([[184, 31], [-12, -2]], 0.12893357896659421), ([[153, 31], [-10, -2]], 0.12893357896659421), ([[122, 31], [-8, -2]], 0.12893357896659421), ([[91, 31], [-6, -2]], 0.12893357896659421), ([[60, 31], [-4, -2]], 0.12893357896659421), ([[29, 31], [-2, -2]], 0.12893357896659421), ([[33, -31], [-2, 2]], 0.12893357896659421), ([[64, -31], [-4, 2]], 0.12893357896659421), ([[95, -31], [-6, 2]], 0.12893357896659421), ([[126, -31], [-8, 2]], 0.12893357896659421), ([[157, -31], [-10, 2]], 0.12893357896659421), ([[188, -31], [-12, 2]], 0.12893357896659421), ([[219, -31], [-14, 2]], 0.12893357896659421), ([[250, -31], [-16, 2]], 0.12893357896659421), ([[281, -31], [-18, 2]], 0.12893357896659421), ([[312, -31], [-20, 2]], 0.12893357896659421)]

Matrix chosen: [[283, -31], [-36, 4]] for number (8070835, 62596843) 0.12893357896659421

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.4071451325677461), ([[275, 31], [-36, -4]], 0.4071451325677461), ([[244, 31], [-32, -4]], 0.4071451325677461), ([[213, 31], [-28, -4]], 0.4071451325677461), ([[182, 31], [-24, -4]], 0.4071451325677461), ([[151, 31], [-20, -4]], 0.4071451325677461), ([[120, 31], [-16, -4]], 0.4071451325677461), ([[89, 31], [-12, -4]], 0.4071451325677461), ([[58, 31], [-8, -4]], 0.4071451325677461), ([[27, 31], [-4, -4]], 0.4071451325677461), ([[35, -31], [-4, 4]], 0.4071451325677461), ([[66, -31], [-8, 4]], 0.4071451325677461), ([[97, -31], [-12, 4]], 0.4071451325677461), ([[128, -31], [-16, 4]], 0.4071451325677461), ([[159, -31], [-20, 4]], 0.4071451325677461), ([[190, -31], [-24, 4]], 0.4071451325677461), ([[221, -31], [-28, 4]], 0.4071451325677461), ([[252, -31], [-32, 4]], 0.4071451325677461), ([[283, -31], [-36, 4]], 0.4071451325677461), ([[314, -31], [-40, 4]], 0.4071451325677461)]

Matrix chosen: [[125, -31], [-4, 1]] for number (51650, 1019187) 0.05067764796842974

Matrix list sorted by distance from 0: [([[309, 31], [-10, -1]], 0.08875134673510171), ([[278, 31], [-9, -1]], 0.08875134673510171), ([[247, 31], [-8, -1]], 0.08875134673510171), ([[216, 31], [-7, -1]], 0.08875134673510171), ([[185, 31], [-6, -1]], 0.08875134673510171), ([[154, 31], [-5, -1]], 0.08875134673510171), ([[123, 31], [-4, -1]], 0.08875134673510171), ([[92, 31], [-3, -1]], 0.08875134673510171), ([[61, 31], [-2, -1]], 0.08875134673510171), ([[30, 31], [-1, -1]], 0.08875134673510171), ([[32, -31], [-1, 1]], 0.08875134673510171), ([[63, -31], [-2, 1]], 0.08875134673510171), ([[94, -31], [-3, 1]], 0.08875134673510171), ([[125, -31], [-4, 1]], 0.08875134673510171), ([[156, -31], [-5, 1]], 0.08875134673510171), ([[187, -31], [-6, 1]], 0.08875134673510171), ([[218, -31], [-7, 1]], 0.08875134673510171), ([[249, -31], [-8, 1]], 0.08875134673510171), ([[280, -31], [-9, 1]], 0.08875134673510171), ([[311, -31], [-10, 1]], 0.08875134673510171)]

Matrix chosen: [[29, -31], [2, -2]] for number (51650, -581963) -0.08875134673510171

Matrix list sorted by distance from 0: [([[312, 31], [20, 2]], 0.23626333412621447), ([[281, 31], [18, 2]], 0.23626333412621447), ([[250, 31], [16, 2]], 0.23626333412621447), ([[219, 31], [14, 2]], 0.23626333412621447), ([[188, 31], [12, 2]], 0.23626333412621447), ([[157, 31], [10, 2]], 0.23626333412621447), ([[126, 31], [8, 2]], 0.23626333412621447), ([[95, 31], [6, 2]], 0.23626333412621447), ([[64, 31], [4, 2]], 0.23626333412621447), ([[33, 31], [2, 2]], 0.23626333412621447), ([[29, -31], [2, -2]], 0.23626333412621447), ([[60, -31], [4, -2]], 0.23626333412621447), ([[91, -31], [6, -2]], 0.23626333412621447), ([[122, -31], [8, -2]], 0.23626333412621447), ([[153, -31], [10, -2]], 0.23626333412621447), ([[184, -31], [12, -2]], 0.23626333412621447), ([[215, -31], [14, -2]], 0.23626333412621447), ([[246, -31], [16, -2]], 0.23626333412621447), ([[277, -31], [18, -2]], 0.23626333412621447), ([[308, -31], [20, -2]], 0.23626333412621447)]

Matrix chosen: [[240, 31], [-64, -8]] for number (25825, 109306) 0.23626333412621447

Matrix list sorted by distance from 0: [([[302, 31], [-80, -8]], 0.20330838059913636), ([[271, 31], [-72, -8]], 0.20330838059913636), ([[240, 31], [-64, -8]], 0.20330838059913636), ([[209, 31], [-56, -8]], 0.20330838059913636), ([[178, 31], [-48, -8]], 0.20330838059913636), ([[147, 31], [-40, -8]], 0.20330838059913636), ([[116, 31], [-32, -8]], 0.20330838059913636), ([[85, 31], [-24, -8]], 0.20330838059913636), ([[54, 31], [-16, -8]], 0.20330838059913636), ([[23, 31], [-8, -8]], 0.20330838059913636), ([[39, -31], [-8, 8]], 0.20330838059913636), ([[70, -31], [-16, 8]], 0.20330838059913636), ([[132, -31], [-32, 8]], 0.20330838059913636), ([[163, -31], [-40, 8]], 0.20330838059913636), ([[194, -31], [-48, 8]], 0.20330838059913636), ([[225, -31], [-56, 8]], 0.20330838059913636), ([[256, -31], [-64, 8]], 0.20330838059913636), ([[287, -31], [-72, 8]], 0.20330838059913636), ([[318, -31], [-80, 8]], 0.20330838059913636), ([[101, -31], [-24, 8]], 0.7966916194008636)]

Matrix chosen: [[250, -31], [-16, 2]] for number (5243, 125395) 0.04181187447665377

Matrix list sorted by distance from 0: [([[308, 31], [-20, -2]], 0.11881210555536671), ([[277, 31], [-18, -2]], 0.11881210555536671), ([[246, 31], [-16, -2]], 0.11881210555536671), ([[215, 31], [-14, -2]], 0.11881210555536671), ([[184, 31], [-12, -2]], 0.11881210555536671), ([[153, 31], [-10, -2]], 0.11881210555536671), ([[122, 31], [-8, -2]], 0.11881210555536671), ([[91, 31], [-6, -2]], 0.11881210555536671), ([[60, 31], [-4, -2]], 0.11881210555536671), ([[29, 31], [-2, -2]], 0.11881210555536671), ([[33, -31], [-2, 2]], 0.11881210555536671), ([[64, -31], [-4, 2]], 0.11881210555536671), ([[95, -31], [-6, 2]], 0.11881210555536671), ([[126, -31], [-8, 2]], 0.11881210555536671), ([[157, -31], [-10, 2]], 0.11881210555536671), ([[188, -31], [-12, 2]], 0.11881210555536671), ([[219, -31], [-14, 2]], 0.11881210555536671), ([[250, -31], [-16, 2]], 0.11881210555536671), ([[281, -31], [-18, 2]], 0.11881210555536671), ([[312, -31], [-20, 2]], 0.11881210555536671)]

Matrix chosen: [[213, 31], [-28, -4]] for number (10486, 88257) 0.11881210555536671

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.49996423717902866), ([[275, 31], [-36, -4]], 0.49996423717902866), ([[244, 31], [-32, -4]], 0.49996423717902866), ([[213, 31], [-28, -4]], 0.49996423717902866), ([[182, 31], [-24, -4]], 0.49996423717902866), ([[151, 31], [-20, -4]], 0.49996423717902866), ([[120, 31], [-16, -4]], 0.49996423717902866), ([[89, 31], [-12, -4]], 0.49996423717902866), ([[58, 31], [-8, -4]], 0.49996423717902866), ([[27, 31], [-4, -4]], 0.49996423717902866), ([[35, -31], [-4, 4]], 0.49996423717902866), ([[97, -31], [-12, 4]], 0.49996423717902866), ([[128, -31], [-16, 4]], 0.49996423717902866), ([[159, -31], [-20, 4]], 0.49996423717902866), ([[190, -31], [-24, 4]], 0.49996423717902866), ([[221, -31], [-28, 4]], 0.49996423717902866), ([[252, -31], [-32, 4]], 0.49996423717902866), ([[283, -31], [-36, 4]], 0.49996423717902866), ([[314, -31], [-40, 4]], 0.49996423717902866), ([[66, -31], [-8, 4]], 0.5000357628209713)]

Matrix chosen: [[221, -31], [-28, 4]] for number (421725, 4242443) 0.09940616762558743

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.4329495415775543), ([[275, 31], [-36, -4]], 0.4329495415775543), ([[244, 31], [-32, -4]], 0.4329495415775543), ([[213, 31], [-28, -4]], 0.4329495415775543), ([[182, 31], [-24, -4]], 0.4329495415775543), ([[151, 31], [-20, -4]], 0.4329495415775543), ([[120, 31], [-16, -4]], 0.4329495415775543), ([[89, 31], [-12, -4]], 0.4329495415775543), ([[58, 31], [-8, -4]], 0.4329495415775543), ([[27, 31], [-4, -4]], 0.4329495415775543), ([[35, -31], [-4, 4]], 0.4329495415775543), ([[66, -31], [-8, 4]], 0.4329495415775543), ([[97, -31], [-12, 4]], 0.4329495415775543), ([[128, -31], [-16, 4]], 0.4329495415775543), ([[159, -31], [-20, 4]], 0.4329495415775543), ([[190, -31], [-24, 4]], 0.4329495415775543), ([[221, -31], [-28, 4]], 0.4329495415775543), ([[252, -31], [-32, 4]], 0.4329495415775543), ([[283, -31], [-36, 4]], 0.4329495415775543), ([[314, -31], [-40, 4]], 0.4329495415775543)]

Matrix chosen: [[95, -31], [-6, 2]] for number (1615815, 16872463) 0.09576639759115192

Matrix list sorted by distance from 0: [([[308, 31], [-20, -2]], 0.19770957335299072), ([[277, 31], [-18, -2]], 0.19770957335299072), ([[246, 31], [-16, -2]], 0.19770957335299072), ([[215, 31], [-14, -2]], 0.19770957335299072), ([[184, 31], [-12, -2]], 0.19770957335299072), ([[153, 31], [-10, -2]], 0.19770957335299072), ([[122, 31], [-8, -2]], 0.19770957335299072), ([[91, 31], [-6, -2]], 0.19770957335299072), ([[60, 31], [-4, -2]], 0.19770957335299072), ([[29, 31], [-2, -2]], 0.19770957335299072), ([[33, -31], [-2, 2]], 0.19770957335299072), ([[64, -31], [-4, 2]], 0.19770957335299072), ([[95, -31], [-6, 2]], 0.19770957335299072), ([[126, -31], [-8, 2]], 0.19770957335299072), ([[157, -31], [-10, 2]], 0.19770957335299072), ([[188, -31], [-12, 2]], 0.19770957335299072), ([[219, -31], [-14, 2]], 0.19770957335299072), ([[250, -31], [-16, 2]], 0.19770957335299072), ([[281, -31], [-18, 2]], 0.19770957335299072), ([[312, -31], [-20, 2]], 0.19770957335299072)]

Matrix chosen: [[244, 31], [-32, -4]] for number (2364571, 15291091) 0.1546371674853024

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.22072823717426648), ([[275, 31], [-36, -4]], 0.22072823717426648), ([[244, 31], [-32, -4]], 0.22072823717426648), ([[213, 31], [-28, -4]], 0.22072823717426648), ([[182, 31], [-24, -4]], 0.22072823717426648), ([[151, 31], [-20, -4]], 0.22072823717426648), ([[120, 31], [-16, -4]], 0.22072823717426648), ([[89, 31], [-12, -4]], 0.22072823717426648), ([[58, 31], [-8, -4]], 0.22072823717426648), ([[27, 31], [-4, -4]], 0.22072823717426648), ([[35, -31], [-4, 4]], 0.22072823717426648), ([[66, -31], [-8, 4]], 0.22072823717426648), ([[97, -31], [-12, 4]], 0.22072823717426648), ([[128, -31], [-16, 4]], 0.22072823717426648), ([[159, -31], [-20, 4]], 0.22072823717426648), ([[190, -31], [-24, 4]], 0.22072823717426648), ([[221, -31], [-28, 4]], 0.22072823717426648), ([[252, -31], [-32, 4]], 0.22072823717426648), ([[283, -31], [-36, 4]], 0.22072823717426648), ([[314, -31], [-40, 4]], 0.22072823717426648)]

Matrix chosen: [[120, -31], [16, -4]] for number (92293731, -839206859) -0.10997733158422625

Matrix list sorted by distance from 0: [([[314, 31], [40, 4]], 0.25527797523116674), ([[283, 31], [36, 4]], 0.25527797523116674), ([[252, 31], [32, 4]], 0.25527797523116674), ([[221, 31], [28, 4]], 0.25527797523116674), ([[190, 31], [24, 4]], 0.25527797523116674), ([[159, 31], [20, 4]], 0.25527797523116674), ([[128, 31], [16, 4]], 0.25527797523116674), ([[97, 31], [12, 4]], 0.25527797523116674), ([[66, 31], [8, 4]], 0.25527797523116674), ([[35, 31], [4, 4]], 0.25527797523116674), ([[27, -31], [4, -4]], 0.25527797523116674), ([[58, -31], [8, -4]], 0.25527797523116674), ([[89, -31], [12, -4]], 0.25527797523116674), ([[120, -31], [16, -4]], 0.25527797523116674), ([[151, -31], [20, -4]], 0.25527797523116674), ([[182, -31], [24, -4]], 0.25527797523116674), ([[213, -31], [28, -4]], 0.25527797523116674), ([[244, -31], [32, -4]], 0.25527797523116674), ([[275, -31], [36, -4]], 0.25527797523116674), ([[306, -31], [40, -4]], 0.25527797523116674)]

Matrix chosen: [[240, 31], [-64, -8]] for number (126546851, 495721775) 0.25527797523116674

Matrix list sorted by distance from 0: [([[302, 31], [-80, -8]], 0.35843521733628364), ([[271, 31], [-72, -8]], 0.35843521733628364), ([[240, 31], [-64, -8]], 0.35843521733628364), ([[209, 31], [-56, -8]], 0.35843521733628364), ([[178, 31], [-48, -8]], 0.35843521733628364), ([[147, 31], [-40, -8]], 0.35843521733628364), ([[116, 31], [-32, -8]], 0.35843521733628364), ([[85, 31], [-24, -8]], 0.35843521733628364), ([[54, 31], [-16, -8]], 0.35843521733628364), ([[23, 31], [-8, -8]], 0.35843521733628364), ([[39, -31], [-8, 8]], 0.35843521733628364), ([[70, -31], [-16, 8]], 0.35843521733628364), ([[101, -31], [-24, 8]], 0.35843521733628364), ([[132, -31], [-32, 8]], 0.35843521733628364), ([[163, -31], [-40, 8]], 0.35843521733628364), ([[194, -31], [-48, 8]], 0.35843521733628364), ([[225, -31], [-56, 8]], 0.35843521733628364), ([[256, -31], [-64, 8]], 0.35843521733628364), ([[287, -31], [-72, 8]], 0.35843521733628364), ([[318, -31], [-80, 8]], 0.35843521733628364)]

Matrix chosen: [[246, -31], [16, -2]] for number (1306119, -16654967) -0.07842219080950445

Matrix list sorted by distance from 0: [([[312, 31], [20, 2]], 0.3638338634117738), ([[281, 31], [18, 2]], 0.3638338634117738), ([[250, 31], [16, 2]], 0.3638338634117738), ([[219, 31], [14, 2]], 0.3638338634117738), ([[188, 31], [12, 2]], 0.3638338634117738), ([[157, 31], [10, 2]], 0.3638338634117738), ([[126, 31], [8, 2]], 0.3638338634117738), ([[95, 31], [6, 2]], 0.3638338634117738), ([[64, 31], [4, 2]], 0.3638338634117738), ([[33, 31], [2, 2]], 0.3638338634117738), ([[29, -31], [2, -2]], 0.3638338634117738), ([[60, -31], [4, -2]], 0.3638338634117738), ([[91, -31], [6, -2]], 0.3638338634117738), ([[122, -31], [8, -2]], 0.3638338634117738), ([[153, -31], [10, -2]], 0.3638338634117738), ([[184, -31], [12, -2]], 0.3638338634117738), ([[215, -31], [14, -2]], 0.3638338634117738), ([[246, -31], [16, -2]], 0.3638338634117738), ([[277, -31], [18, -2]], 0.3638338634117738), ([[308, -31], [20, -2]], 0.3638338634117738)]

Matrix chosen: [[159, -31], [-20, 4]] for number (1321717, 11770669) 0.11228902962100115

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.13464078348145636), ([[275, 31], [-36, -4]], 0.13464078348145636), ([[244, 31], [-32, -4]], 0.13464078348145636), ([[213, 31], [-28, -4]], 0.13464078348145636), ([[182, 31], [-24, -4]], 0.13464078348145636), ([[151, 31], [-20, -4]], 0.13464078348145636), ([[120, 31], [-16, -4]], 0.13464078348145636), ([[89, 31], [-12, -4]], 0.13464078348145636), ([[58, 31], [-8, -4]], 0.13464078348145636), ([[27, 31], [-4, -4]], 0.13464078348145636), ([[66, -31], [-8, 4]], 0.13464078348145636), ([[97, -31], [-12, 4]], 0.13464078348145636), ([[128, -31], [-16, 4]], 0.13464078348145636), ([[159, -31], [-20, 4]], 0.13464078348145636), ([[190, -31], [-24, 4]], 0.13464078348145636), ([[221, -31], [-28, 4]], 0.13464078348145636), ([[252, -31], [-32, 4]], 0.13464078348145636), ([[283, -31], [-36, 4]], 0.13464078348145636), ([[314, -31], [-40, 4]], 0.13464078348145636), ([[35, -31], [-4, 4]], 0.8653592165185436)]

Matrix chosen: [[190, 31], [24, 4]] for number (822581, -6109449) -0.13464078348145636

Matrix list sorted by distance from 0: [([[314, 31], [40, 4]], 0.0976064167800304), ([[283, 31], [36, 4]], 0.0976064167800304), ([[252, 31], [32, 4]], 0.0976064167800304), ([[221, 31], [28, 4]], 0.0976064167800304), ([[190, 31], [24, 4]], 0.0976064167800304), ([[159, 31], [20, 4]], 0.0976064167800304), ([[128, 31], [16, 4]], 0.0976064167800304), ([[97, 31], [12, 4]], 0.0976064167800304), ([[66, 31], [8, 4]], 0.0976064167800304), ([[35, 31], [4, 4]], 0.0976064167800304), ([[27, -31], [4, -4]], 0.0976064167800304), ([[58, -31], [8, -4]], 0.0976064167800304), ([[89, -31], [12, -4]], 0.0976064167800304), ([[120, -31], [16, -4]], 0.0976064167800304), ([[151, -31], [20, -4]], 0.0976064167800304), ([[182, -31], [24, -4]], 0.0976064167800304), ([[213, -31], [28, -4]], 0.0976064167800304), ([[244, -31], [32, -4]], 0.0976064167800304), ([[275, -31], [36, -4]], 0.0976064167800304), ([[306, -31], [40, -4]], 0.0976064167800304)]

Matrix chosen: [[221, -31], [-28, 4]] for number (103679, 1062215) 0.0976064167800304

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.40076497060815935), ([[275, 31], [-36, -4]], 0.40076497060815935), ([[244, 31], [-32, -4]], 0.40076497060815935), ([[213, 31], [-28, -4]], 0.40076497060815935), ([[182, 31], [-24, -4]], 0.40076497060815935), ([[151, 31], [-20, -4]], 0.40076497060815935), ([[120, 31], [-16, -4]], 0.40076497060815935), ([[89, 31], [-12, -4]], 0.40076497060815935), ([[58, 31], [-8, -4]], 0.40076497060815935), ([[27, 31], [-4, -4]], 0.40076497060815935), ([[35, -31], [-4, 4]], 0.40076497060815935), ([[66, -31], [-8, 4]], 0.40076497060815935), ([[97, -31], [-12, 4]], 0.40076497060815935), ([[128, -31], [-16, 4]], 0.40076497060815935), ([[159, -31], [-20, 4]], 0.40076497060815935), ([[190, -31], [-24, 4]], 0.40076497060815935), ([[221, -31], [-28, 4]], 0.40076497060815935), ([[252, -31], [-32, 4]], 0.40076497060815935), ([[283, -31], [-36, 4]], 0.40076497060815935), ([[314, -31], [-40, 4]], 0.40076497060815935)]

Matrix chosen: [[23, 31], [-8, -8]] for number (314995, 1144427) 0.27524254495918044

Matrix list sorted by distance from 0: [([[302, 31], [-80, -8]], 0.1349525539480399), ([[271, 31], [-72, -8]], 0.1349525539480399), ([[240, 31], [-64, -8]], 0.1349525539480399), ([[209, 31], [-56, -8]], 0.1349525539480399), ([[178, 31], [-48, -8]], 0.1349525539480399), ([[147, 31], [-40, -8]], 0.1349525539480399), ([[85, 31], [-24, -8]], 0.1349525539480399), ([[54, 31], [-16, -8]], 0.1349525539480399), ([[23, 31], [-8, -8]], 0.1349525539480399), ([[39, -31], [-8, 8]], 0.1349525539480399), ([[70, -31], [-16, 8]], 0.1349525539480399), ([[101, -31], [-24, 8]], 0.1349525539480399), ([[132, -31], [-32, 8]], 0.1349525539480399), ([[163, -31], [-40, 8]], 0.1349525539480399), ([[194, -31], [-48, 8]], 0.1349525539480399), ([[225, -31], [-56, 8]], 0.1349525539480399), ([[256, -31], [-64, 8]], 0.1349525539480399), ([[287, -31], [-72, 8]], 0.1349525539480399), ([[318, -31], [-80, 8]], 0.1349525539480399), ([[116, 31], [-32, -8]], 0.8650474460519602)]

Matrix chosen: [[252, 31], [32, 4]] for number (82244, -609429) -0.1349525539480399

Matrix list sorted by distance from 0: [([[314, 31], [40, 4]], 0.058722552034904514), ([[283, 31], [36, 4]], 0.058722552034904514), ([[252, 31], [32, 4]], 0.058722552034904514), ([[221, 31], [28, 4]], 0.058722552034904514), ([[190, 31], [24, 4]], 0.058722552034904514), ([[159, 31], [20, 4]], 0.058722552034904514), ([[128, 31], [16, 4]], 0.058722552034904514), ([[97, 31], [12, 4]], 0.058722552034904514), ([[66, 31], [8, 4]], 0.058722552034904514), ([[35, 31], [4, 4]], 0.058722552034904514), ([[27, -31], [4, -4]], 0.058722552034904514), ([[58, -31], [8, -4]], 0.058722552034904514), ([[120, -31], [16, -4]], 0.058722552034904514), ([[151, -31], [20, -4]], 0.058722552034904514), ([[182, -31], [24, -4]], 0.058722552034904514), ([[213, -31], [28, -4]], 0.058722552034904514), ([[244, -31], [32, -4]], 0.058722552034904514), ([[275, -31], [36, -4]], 0.058722552034904514), ([[306, -31], [40, -4]], 0.058722552034904514), ([[89, -31], [12, -4]], 0.9412774479650955)]

Matrix chosen: [[249, 31], [8, 1]] for number (821, -13981) -0.058722552034904514

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.07157802964254577), ([[280, 31], [9, 1]], 0.07157802964254577), ([[249, 31], [8, 1]], 0.07157802964254577), ([[218, 31], [7, 1]], 0.07157802964254577), ([[187, 31], [6, 1]], 0.07157802964254577), ([[156, 31], [5, 1]], 0.07157802964254577), ([[125, 31], [4, 1]], 0.07157802964254577), ([[94, 31], [3, 1]], 0.07157802964254577), ([[63, 31], [2, 1]], 0.07157802964254577), ([[32, 31], [1, 1]], 0.07157802964254577), ([[30, -31], [1, -1]], 0.07157802964254577), ([[61, -31], [2, -1]], 0.07157802964254577), ([[92, -31], [3, -1]], 0.07157802964254577), ([[123, -31], [4, -1]], 0.07157802964254577), ([[154, -31], [5, -1]], 0.07157802964254577), ([[185, -31], [6, -1]], 0.07157802964254577), ([[216, -31], [7, -1]], 0.07157802964254577), ([[247, -31], [8, -1]], 0.07157802964254577), ([[278, -31], [9, -1]], 0.07157802964254577), ([[309, -31], [10, -1]], 0.07157802964254577)]

Matrix chosen: [[277, 31], [-18, -2]] for number (821, 11470) 0.07157802964254577

Matrix list sorted by distance from 0: [([[308, 31], [-20, -2]], 0.3460772600557547), ([[277, 31], [-18, -2]], 0.3460772600557547), ([[246, 31], [-16, -2]], 0.3460772600557547), ([[215, 31], [-14, -2]], 0.3460772600557547), ([[184, 31], [-12, -2]], 0.3460772600557547), ([[153, 31], [-10, -2]], 0.3460772600557547), ([[122, 31], [-8, -2]], 0.3460772600557547), ([[91, 31], [-6, -2]], 0.3460772600557547), ([[60, 31], [-4, -2]], 0.3460772600557547), ([[29, 31], [-2, -2]], 0.3460772600557547), ([[33, -31], [-2, 2]], 0.3460772600557547), ([[64, -31], [-4, 2]], 0.3460772600557547), ([[95, -31], [-6, 2]], 0.3460772600557547), ([[126, -31], [-8, 2]], 0.3460772600557547), ([[157, -31], [-10, 2]], 0.3460772600557547), ([[188, -31], [-12, 2]], 0.3460772600557547), ([[219, -31], [-14, 2]], 0.3460772600557547), ([[250, -31], [-16, 2]], 0.3460772600557547), ([[281, -31], [-18, 2]], 0.3460772600557547), ([[312, -31], [-20, 2]], 0.3460772600557547)]

Matrix chosen: [[280, 31], [9, 1]] for number (101, -6851) -0.014742373376149467

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0271505376344086), ([[280, 31], [9, 1]], 0.0271505376344086), ([[249, 31], [8, 1]], 0.0271505376344086), ([[218, 31], [7, 1]], 0.0271505376344086), ([[187, 31], [6, 1]], 0.0271505376344086), ([[156, 31], [5, 1]], 0.0271505376344086), ([[125, 31], [4, 1]], 0.0271505376344086), ([[94, 31], [3, 1]], 0.0271505376344086), ([[63, 31], [2, 1]], 0.0271505376344086), ([[32, 31], [1, 1]], 0.0271505376344086), ([[30, -31], [1, -1]], 0.0271505376344086), ([[61, -31], [2, -1]], 0.0271505376344086), ([[92, -31], [3, -1]], 0.0271505376344086), ([[123, -31], [4, -1]], 0.0271505376344086), ([[154, -31], [5, -1]], 0.0271505376344086), ([[185, -31], [6, -1]], 0.0271505376344086), ([[216, -31], [7, -1]], 0.0271505376344086), ([[247, -31], [8, -1]], 0.0271505376344086), ([[278, -31], [9, -1]], 0.0271505376344086), ([[309, -31], [10, -1]], 0.0271505376344086)]

Matrix chosen: [[249, 31], [8, 1]] for number (101, -3720) -0.0271505376344086

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.17147707979626486), ([[280, 31], [9, 1]], 0.17147707979626486), ([[249, 31], [8, 1]], 0.17147707979626486), ([[218, 31], [7, 1]], 0.17147707979626486), ([[187, 31], [6, 1]], 0.17147707979626486), ([[156, 31], [5, 1]], 0.17147707979626486), ([[125, 31], [4, 1]], 0.17147707979626486), ([[94, 31], [3, 1]], 0.17147707979626486), ([[63, 31], [2, 1]], 0.17147707979626486), ([[32, 31], [1, 1]], 0.17147707979626486), ([[30, -31], [1, -1]], 0.17147707979626486), ([[61, -31], [2, -1]], 0.17147707979626486), ([[92, -31], [3, -1]], 0.17147707979626486), ([[123, -31], [4, -1]], 0.17147707979626486), ([[154, -31], [5, -1]], 0.17147707979626486), ([[185, -31], [6, -1]], 0.17147707979626486), ([[216, -31], [7, -1]], 0.17147707979626486), ([[247, -31], [8, -1]], 0.17147707979626486), ([[278, -31], [9, -1]], 0.17147707979626486), ([[309, -31], [10, -1]], 0.17147707979626486)]

Matrix chosen: [[64, -31], [-4, 2]] for number (165501, 4248085) 0.038958966216542275

Matrix list sorted by distance from 0: [([[308, 31], [-20, -2]], 0.0983474460570489), ([[277, 31], [-18, -2]], 0.0983474460570489), ([[246, 31], [-16, -2]], 0.0983474460570489), ([[215, 31], [-14, -2]], 0.0983474460570489), ([[184, 31], [-12, -2]], 0.0983474460570489), ([[153, 31], [-10, -2]], 0.0983474460570489), ([[122, 31], [-8, -2]], 0.0983474460570489), ([[91, 31], [-6, -2]], 0.0983474460570489), ([[60, 31], [-4, -2]], 0.0983474460570489), ([[29, 31], [-2, -2]], 0.0983474460570489), ([[33, -31], [-2, 2]], 0.0983474460570489), ([[64, -31], [-4, 2]], 0.0983474460570489), ([[95, -31], [-6, 2]], 0.0983474460570489), ([[126, -31], [-8, 2]], 0.0983474460570489), ([[157, -31], [-10, 2]], 0.0983474460570489), ([[188, -31], [-12, 2]], 0.0983474460570489), ([[219, -31], [-14, 2]], 0.0983474460570489), ([[250, -31], [-16, 2]], 0.0983474460570489), ([[281, -31], [-18, 2]], 0.0983474460570489), ([[312, -31], [-20, 2]], 0.0983474460570489)]

Matrix chosen: [[58, 31], [-8, -4]] for number (331002, 3365639) 0.0983474460570489

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.41355941944604613), ([[275, 31], [-36, -4]], 0.41355941944604613), ([[244, 31], [-32, -4]], 0.41355941944604613), ([[213, 31], [-28, -4]], 0.41355941944604613), ([[182, 31], [-24, -4]], 0.41355941944604613), ([[151, 31], [-20, -4]], 0.41355941944604613), ([[120, 31], [-16, -4]], 0.41355941944604613), ([[89, 31], [-12, -4]], 0.41355941944604613), ([[58, 31], [-8, -4]], 0.41355941944604613), ([[27, 31], [-4, -4]], 0.41355941944604613), ([[35, -31], [-4, 4]], 0.41355941944604613), ([[66, -31], [-8, 4]], 0.41355941944604613), ([[97, -31], [-12, 4]], 0.41355941944604613), ([[128, -31], [-16, 4]], 0.41355941944604613), ([[159, -31], [-20, 4]], 0.41355941944604613), ([[190, -31], [-24, 4]], 0.41355941944604613), ([[221, -31], [-28, 4]], 0.41355941944604613), ([[252, -31], [-32, 4]], 0.41355941944604613), ([[283, -31], [-36, 4]], 0.41355941944604613), ([[314, -31], [-40, 4]], 0.41355941944604613)]

Matrix chosen: [[101, -31], [-24, 8]] for number (22651522, 98035795) 0.23105358609067228

Matrix list sorted by distance from 0: [([[302, 31], [-80, -8]], 0.2075038441729798), ([[271, 31], [-72, -8]], 0.2075038441729798), ([[240, 31], [-64, -8]], 0.2075038441729798), ([[209, 31], [-56, -8]], 0.2075038441729798), ([[178, 31], [-48, -8]], 0.2075038441729798), ([[147, 31], [-40, -8]], 0.2075038441729798), ([[116, 31], [-32, -8]], 0.2075038441729798), ([[85, 31], [-24, -8]], 0.2075038441729798), ([[54, 31], [-16, -8]], 0.2075038441729798), ([[23, 31], [-8, -8]], 0.2075038441729798), ([[39, -31], [-8, 8]], 0.2075038441729798), ([[70, -31], [-16, 8]], 0.2075038441729798), ([[101, -31], [-24, 8]], 0.2075038441729798), ([[132, -31], [-32, 8]], 0.2075038441729798), ([[163, -31], [-40, 8]], 0.2075038441729798), ([[194, -31], [-48, 8]], 0.2075038441729798), ([[225, -31], [-56, 8]], 0.2075038441729798), ([[256, -31], [-64, 8]], 0.2075038441729798), ([[287, -31], [-72, 8]], 0.2075038441729798), ([[318, -31], [-80, 8]], 0.2075038441729798)]

Matrix chosen: [[247, 31], [-8, -1]] for number (1901389, 32166251) 0.0591113027128962

Matrix list sorted by distance from 0: [([[309, 31], [-10, -1]], 0.07100879985396318), ([[278, 31], [-9, -1]], 0.07100879985396318), ([[247, 31], [-8, -1]], 0.07100879985396318), ([[216, 31], [-7, -1]], 0.07100879985396318), ([[185, 31], [-6, -1]], 0.07100879985396318), ([[154, 31], [-5, -1]], 0.07100879985396318), ([[123, 31], [-4, -1]], 0.07100879985396318), ([[92, 31], [-3, -1]], 0.07100879985396318), ([[61, 31], [-2, -1]], 0.07100879985396318), ([[30, 31], [-1, -1]], 0.07100879985396318), ([[32, -31], [-1, 1]], 0.07100879985396318), ([[63, -31], [-2, 1]], 0.07100879985396318), ([[94, -31], [-3, 1]], 0.07100879985396318), ([[125, -31], [-4, 1]], 0.07100879985396318), ([[156, -31], [-5, 1]], 0.07100879985396318), ([[187, -31], [-6, 1]], 0.07100879985396318), ([[218, -31], [-7, 1]], 0.07100879985396318), ([[249, -31], [-8, 1]], 0.07100879985396318), ([[280, -31], [-9, 1]], 0.07100879985396318), ([[311, -31], [-10, 1]], 0.07100879985396318)]

Matrix chosen: [[157, 31], [10, 2]] for number (1901389, -26776808) -0.07100879985396318

Matrix list sorted by distance from 0: [([[312, 31], [20, 2]], 0.2944024085605878), ([[281, 31], [18, 2]], 0.2944024085605878), ([[250, 31], [16, 2]], 0.2944024085605878), ([[219, 31], [14, 2]], 0.2944024085605878), ([[188, 31], [12, 2]], 0.2944024085605878), ([[157, 31], [10, 2]], 0.2944024085605878), ([[126, 31], [8, 2]], 0.2944024085605878), ([[95, 31], [6, 2]], 0.2944024085605878), ([[64, 31], [4, 2]], 0.2944024085605878), ([[33, 31], [2, 2]], 0.2944024085605878), ([[60, -31], [4, -2]], 0.2944024085605878), ([[91, -31], [6, -2]], 0.2944024085605878), ([[122, -31], [8, -2]], 0.2944024085605878), ([[153, -31], [10, -2]], 0.2944024085605878), ([[184, -31], [12, -2]], 0.2944024085605878), ([[215, -31], [14, -2]], 0.2944024085605878), ([[246, -31], [16, -2]], 0.2944024085605878), ([[277, -31], [18, -2]], 0.2944024085605878), ([[308, -31], [20, -2]], 0.2944024085605878), ([[29, -31], [2, -2]], 0.7055975914394123)]

Matrix chosen: [[281, -31], [-18, 2]] for number (551178, 6071071) 0.09078760567945919

Matrix list sorted by distance from 0: [([[308, 31], [-20, -2]], 0.22295149074423143), ([[277, 31], [-18, -2]], 0.22295149074423143), ([[246, 31], [-16, -2]], 0.22295149074423143), ([[215, 31], [-14, -2]], 0.22295149074423143), ([[184, 31], [-12, -2]], 0.22295149074423143), ([[153, 31], [-10, -2]], 0.22295149074423143), ([[122, 31], [-8, -2]], 0.22295149074423143), ([[91, 31], [-6, -2]], 0.22295149074423143), ([[60, 31], [-4, -2]], 0.22295149074423143), ([[29, 31], [-2, -2]], 0.22295149074423143), ([[33, -31], [-2, 2]], 0.22295149074423143), ([[64, -31], [-4, 2]], 0.22295149074423143), ([[95, -31], [-6, 2]], 0.22295149074423143), ([[126, -31], [-8, 2]], 0.22295149074423143), ([[157, -31], [-10, 2]], 0.22295149074423143), ([[188, -31], [-12, 2]], 0.22295149074423143), ([[219, -31], [-14, 2]], 0.22295149074423143), ([[250, -31], [-16, 2]], 0.22295149074423143), ([[281, -31], [-18, 2]], 0.22295149074423143), ([[312, -31], [-20, 2]], 0.22295149074423143)]

Matrix chosen: [[190, -31], [-24, 4]] for number (210179, 2155275) 0.09751841412348772

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.3992855076889612), ([[275, 31], [-36, -4]], 0.3992855076889612), ([[244, 31], [-32, -4]], 0.3992855076889612), ([[213, 31], [-28, -4]], 0.3992855076889612), ([[182, 31], [-24, -4]], 0.3992855076889612), ([[151, 31], [-20, -4]], 0.3992855076889612), ([[120, 31], [-16, -4]], 0.3992855076889612), ([[89, 31], [-12, -4]], 0.3992855076889612), ([[58, 31], [-8, -4]], 0.3992855076889612), ([[27, 31], [-4, -4]], 0.3992855076889612), ([[35, -31], [-4, 4]], 0.3992855076889612), ([[66, -31], [-8, 4]], 0.3992855076889612), ([[97, -31], [-12, 4]], 0.3992855076889612), ([[128, -31], [-16, 4]], 0.3992855076889612), ([[159, -31], [-20, 4]], 0.3992855076889612), ([[190, -31], [-24, 4]], 0.3992855076889612), ([[221, -31], [-28, 4]], 0.3992855076889612), ([[252, -31], [-32, 4]], 0.3992855076889612), ([[283, -31], [-36, 4]], 0.3992855076889612), ([[314, -31], [-40, 4]], 0.3992855076889612)]

Matrix chosen: [[132, -31], [-32, 8]] for number (623015, 2304447) 0.2703533646033083

Matrix list sorted by distance from 0: [([[302, 31], [-80, -8]], 0.32260798346943637), ([[271, 31], [-72, -8]], 0.32260798346943637), ([[240, 31], [-64, -8]], 0.32260798346943637), ([[209, 31], [-56, -8]], 0.32260798346943637), ([[178, 31], [-48, -8]], 0.32260798346943637), ([[147, 31], [-40, -8]], 0.32260798346943637), ([[116, 31], [-32, -8]], 0.32260798346943637), ([[85, 31], [-24, -8]], 0.32260798346943637), ([[54, 31], [-16, -8]], 0.32260798346943637), ([[23, 31], [-8, -8]], 0.32260798346943637), ([[39, -31], [-8, 8]], 0.32260798346943637), ([[70, -31], [-16, 8]], 0.32260798346943637), ([[101, -31], [-24, 8]], 0.32260798346943637), ([[132, -31], [-32, 8]], 0.32260798346943637), ([[163, -31], [-40, 8]], 0.32260798346943637), ([[194, -31], [-48, 8]], 0.32260798346943637), ([[225, -31], [-56, 8]], 0.32260798346943637), ([[256, -31], [-64, 8]], 0.32260798346943637), ([[287, -31], [-72, 8]], 0.32260798346943637), ([[318, -31], [-80, 8]], 0.32260798346943637)]

Matrix chosen: [[101, 31], [24, 8]] for number (254595, -878261) -0.2898853529873238

Matrix list sorted by distance from 0: [([[318, 31], [80, 8]], 0.35094770400654696), ([[287, 31], [72, 8]], 0.35094770400654696), ([[256, 31], [64, 8]], 0.35094770400654696), ([[225, 31], [56, 8]], 0.35094770400654696), ([[194, 31], [48, 8]], 0.35094770400654696), ([[163, 31], [40, 8]], 0.35094770400654696), ([[132, 31], [32, 8]], 0.35094770400654696), ([[101, 31], [24, 8]], 0.35094770400654696), ([[70, 31], [16, 8]], 0.35094770400654696), ([[39, 31], [8, 8]], 0.35094770400654696), ([[23, -31], [8, -8]], 0.35094770400654696), ([[54, -31], [16, -8]], 0.35094770400654696), ([[85, -31], [24, -8]], 0.35094770400654696), ([[116, -31], [32, -8]], 0.35094770400654696), ([[147, -31], [40, -8]], 0.35094770400654696), ([[178, -31], [48, -8]], 0.35094770400654696), ([[209, -31], [56, -8]], 0.35094770400654696), ([[240, -31], [64, -8]], 0.35094770400654696), ([[271, -31], [72, -8]], 0.35094770400654696), ([[302, -31], [80, -8]], 0.35094770400654696)]

Matrix chosen: [[187, -31], [-6, 1]] for number (31101, 1247285) 0.024934958730362347

Matrix list sorted by distance from 0: [([[309, 31], [-10, -1]], 0.10983775613270517), ([[278, 31], [-9, -1]], 0.10983775613270517), ([[247, 31], [-8, -1]], 0.10983775613270517), ([[216, 31], [-7, -1]], 0.10983775613270517), ([[185, 31], [-6, -1]], 0.10983775613270517), ([[154, 31], [-5, -1]], 0.10983775613270517), ([[123, 31], [-4, -1]], 0.10983775613270517), ([[92, 31], [-3, -1]], 0.10983775613270517), ([[61, 31], [-2, -1]], 0.10983775613270517), ([[30, 31], [-1, -1]], 0.10983775613270517), ([[32, -31], [-1, 1]], 0.10983775613270517), ([[63, -31], [-2, 1]], 0.10983775613270517), ([[94, -31], [-3, 1]], 0.10983775613270517), ([[125, -31], [-4, 1]], 0.10983775613270517), ([[156, -31], [-5, 1]], 0.10983775613270517), ([[187, -31], [-6, 1]], 0.10983775613270517), ([[218, -31], [-7, 1]], 0.10983775613270517), ([[249, -31], [-8, 1]], 0.10983775613270517), ([[280, -31], [-9, 1]], 0.10983775613270517), ([[311, -31], [-10, 1]], 0.10983775613270517)]

Matrix chosen: [[151, 31], [-20, -4]] for number (31101, 283154) 0.10983775613270517

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.26163159925215895), ([[275, 31], [-36, -4]], 0.26163159925215895), ([[244, 31], [-32, -4]], 0.26163159925215895), ([[213, 31], [-28, -4]], 0.26163159925215895), ([[182, 31], [-24, -4]], 0.26163159925215895), ([[151, 31], [-20, -4]], 0.26163159925215895), ([[120, 31], [-16, -4]], 0.26163159925215895), ([[89, 31], [-12, -4]], 0.26163159925215895), ([[58, 31], [-8, -4]], 0.26163159925215895), ([[27, 31], [-4, -4]], 0.26163159925215895), ([[66, -31], [-8, 4]], 0.26163159925215895), ([[97, -31], [-12, 4]], 0.26163159925215895), ([[128, -31], [-16, 4]], 0.26163159925215895), ([[159, -31], [-20, 4]], 0.26163159925215895), ([[190, -31], [-24, 4]], 0.26163159925215895), ([[221, -31], [-28, 4]], 0.26163159925215895), ([[252, -31], [-32, 4]], 0.26163159925215895), ([[283, -31], [-36, 4]], 0.26163159925215895), ([[314, -31], [-40, 4]], 0.26163159925215895), ([[35, -31], [-4, 4]], 0.738368400747841)]

Matrix chosen: [[85, -31], [24, -8]] for number (44081, -168485) -0.26163159925215895

Matrix list sorted by distance from 0: [([[318, 31], [80, 8]], 0.07197681283881703), ([[287, 31], [72, 8]], 0.07197681283881703), ([[256, 31], [64, 8]], 0.07197681283881703), ([[225, 31], [56, 8]], 0.07197681283881703), ([[194, 31], [48, 8]], 0.07197681283881703), ([[163, 31], [40, 8]], 0.07197681283881703), ([[132, 31], [32, 8]], 0.07197681283881703), ([[101, 31], [24, 8]], 0.07197681283881703), ([[70, 31], [16, 8]], 0.07197681283881703), ([[39, 31], [8, 8]], 0.07197681283881703), ([[23, -31], [8, -8]], 0.07197681283881703), ([[54, -31], [16, -8]], 0.07197681283881703), ([[85, -31], [24, -8]], 0.07197681283881703), ([[116, -31], [32, -8]], 0.07197681283881703), ([[147, -31], [40, -8]], 0.07197681283881703), ([[178, -31], [48, -8]], 0.07197681283881703), ([[209, -31], [56, -8]], 0.07197681283881703), ([[240, -31], [64, -8]], 0.07197681283881703), ([[271, -31], [72, -8]], 0.07197681283881703), ([[302, -31], [80, -8]], 0.07197681283881703)]

Matrix chosen: [[33, 31], [2, 2]] for number (1341, -18631) -0.07197681283881703

Matrix list sorted by distance from 0: [([[312, 31], [20, 2]], 0.37758180552332327), ([[281, 31], [18, 2]], 0.37758180552332327), ([[250, 31], [16, 2]], 0.37758180552332327), ([[219, 31], [14, 2]], 0.37758180552332327), ([[188, 31], [12, 2]], 0.37758180552332327), ([[157, 31], [10, 2]], 0.37758180552332327), ([[126, 31], [8, 2]], 0.37758180552332327), ([[95, 31], [6, 2]], 0.37758180552332327), ([[64, 31], [4, 2]], 0.37758180552332327), ([[33, 31], [2, 2]], 0.37758180552332327), ([[60, -31], [4, -2]], 0.37758180552332327), ([[91, -31], [6, -2]], 0.37758180552332327), ([[122, -31], [8, -2]], 0.37758180552332327), ([[153, -31], [10, -2]], 0.37758180552332327), ([[184, -31], [12, -2]], 0.37758180552332327), ([[215, -31], [14, -2]], 0.37758180552332327), ([[246, -31], [16, -2]], 0.37758180552332327), ([[277, -31], [18, -2]], 0.37758180552332327), ([[308, -31], [20, -2]], 0.37758180552332327), ([[29, -31], [2, -2]], 0.6224181944766767)]

Matrix chosen: [[280, -31], [-9, 1]] for number (1899, 103571) 0.018335248283786004

Matrix list sorted by distance from 0: [([[309, 31], [-10, -1]], 0.042481320746275336), ([[278, 31], [-9, -1]], 0.042481320746275336), ([[247, 31], [-8, -1]], 0.042481320746275336), ([[216, 31], [-7, -1]], 0.042481320746275336), ([[185, 31], [-6, -1]], 0.042481320746275336), ([[154, 31], [-5, -1]], 0.042481320746275336), ([[123, 31], [-4, -1]], 0.042481320746275336), ([[92, 31], [-3, -1]], 0.042481320746275336), ([[61, 31], [-2, -1]], 0.042481320746275336), ([[30, 31], [-1, -1]], 0.042481320746275336), ([[32, -31], [-1, 1]], 0.042481320746275336), ([[63, -31], [-2, 1]], 0.042481320746275336), ([[94, -31], [-3, 1]], 0.042481320746275336), ([[125, -31], [-4, 1]], 0.042481320746275336), ([[156, -31], [-5, 1]], 0.042481320746275336), ([[187, -31], [-6, 1]], 0.042481320746275336), ([[218, -31], [-7, 1]], 0.042481320746275336), ([[249, -31], [-8, 1]], 0.042481320746275336), ([[280, -31], [-9, 1]], 0.042481320746275336), ([[311, -31], [-10, 1]], 0.042481320746275336)]

Matrix chosen: [[281, -31], [-18, 2]] for number (1899, 44702) 0.042481320746275336

Matrix list sorted by distance from 0: [([[308, 31], [-20, -2]], 0.12438185688554118), ([[277, 31], [-18, -2]], 0.12438185688554118), ([[246, 31], [-16, -2]], 0.12438185688554118), ([[215, 31], [-14, -2]], 0.12438185688554118), ([[184, 31], [-12, -2]], 0.12438185688554118), ([[153, 31], [-10, -2]], 0.12438185688554118), ([[122, 31], [-8, -2]], 0.12438185688554118), ([[91, 31], [-6, -2]], 0.12438185688554118), ([[60, 31], [-4, -2]], 0.12438185688554118), ([[29, 31], [-2, -2]], 0.12438185688554118), ([[33, -31], [-2, 2]], 0.12438185688554118), ([[64, -31], [-4, 2]], 0.12438185688554118), ([[95, -31], [-6, 2]], 0.12438185688554118), ([[126, -31], [-8, 2]], 0.12438185688554118), ([[157, -31], [-10, 2]], 0.12438185688554118), ([[188, -31], [-12, 2]], 0.12438185688554118), ([[219, -31], [-14, 2]], 0.12438185688554118), ([[250, -31], [-16, 2]], 0.12438185688554118), ([[281, -31], [-18, 2]], 0.12438185688554118), ([[312, -31], [-20, 2]], 0.12438185688554118)]

Matrix chosen: [[27, 31], [-4, -4]] for number (3798, 30535) 0.12438185688554118

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.45115856428895956), ([[275, 31], [-36, -4]], 0.45115856428895956), ([[244, 31], [-32, -4]], 0.45115856428895956), ([[213, 31], [-28, -4]], 0.45115856428895956), ([[182, 31], [-24, -4]], 0.45115856428895956), ([[151, 31], [-20, -4]], 0.45115856428895956), ([[120, 31], [-16, -4]], 0.45115856428895956), ([[89, 31], [-12, -4]], 0.45115856428895956), ([[58, 31], [-8, -4]], 0.45115856428895956), ([[27, 31], [-4, -4]], 0.45115856428895956), ([[35, -31], [-4, 4]], 0.45115856428895956), ([[66, -31], [-8, 4]], 0.45115856428895956), ([[97, -31], [-12, 4]], 0.45115856428895956), ([[128, -31], [-16, 4]], 0.45115856428895956), ([[159, -31], [-20, 4]], 0.45115856428895956), ([[190, -31], [-24, 4]], 0.45115856428895956), ([[221, -31], [-28, 4]], 0.45115856428895956), ([[252, -31], [-32, 4]], 0.45115856428895956), ([[283, -31], [-36, 4]], 0.45115856428895956), ([[314, -31], [-40, 4]], 0.45115856428895956)]

Matrix chosen: [[287, -31], [-72, 8]] for number (14913, 56761) 0.2627332147072814

Matrix list sorted by distance from 0: [([[302, 31], [-80, -8]], 0.4772976262933658), ([[271, 31], [-72, -8]], 0.4772976262933658), ([[240, 31], [-64, -8]], 0.4772976262933658), ([[209, 31], [-56, -8]], 0.4772976262933658), ([[178, 31], [-48, -8]], 0.4772976262933658), ([[147, 31], [-40, -8]], 0.4772976262933658), ([[116, 31], [-32, -8]], 0.4772976262933658), ([[85, 31], [-24, -8]], 0.4772976262933658), ([[54, 31], [-16, -8]], 0.4772976262933658), ([[23, 31], [-8, -8]], 0.4772976262933658), ([[39, -31], [-8, 8]], 0.4772976262933658), ([[70, -31], [-16, 8]], 0.4772976262933658), ([[101, -31], [-24, 8]], 0.4772976262933658), ([[132, -31], [-32, 8]], 0.4772976262933658), ([[163, -31], [-40, 8]], 0.4772976262933658), ([[194, -31], [-48, 8]], 0.4772976262933658), ([[225, -31], [-56, 8]], 0.4772976262933658), ([[256, -31], [-64, 8]], 0.4772976262933658), ([[287, -31], [-72, 8]], 0.4772976262933658), ([[318, -31], [-80, 8]], 0.4772976262933658)]

Matrix chosen: [[314, -31], [-40, 4]] for number (174383, 1102391) 0.1581861608086423

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.2998838713692238), ([[275, 31], [-36, -4]], 0.2998838713692238), ([[244, 31], [-32, -4]], 0.2998838713692238), ([[213, 31], [-28, -4]], 0.2998838713692238), ([[182, 31], [-24, -4]], 0.2998838713692238), ([[151, 31], [-20, -4]], 0.2998838713692238), ([[120, 31], [-16, -4]], 0.2998838713692238), ([[89, 31], [-12, -4]], 0.2998838713692238), ([[58, 31], [-8, -4]], 0.2998838713692238), ([[27, 31], [-4, -4]], 0.2998838713692238), ([[35, -31], [-4, 4]], 0.2998838713692238), ([[66, -31], [-8, 4]], 0.2998838713692238), ([[97, -31], [-12, 4]], 0.2998838713692238), ([[128, -31], [-16, 4]], 0.2998838713692238), ([[159, -31], [-20, 4]], 0.2998838713692238), ([[190, -31], [-24, 4]], 0.2998838713692238), ([[221, -31], [-28, 4]], 0.2998838713692238), ([[252, -31], [-32, 4]], 0.2998838713692238), ([[283, -31], [-36, 4]], 0.2998838713692238), ([[314, -31], [-40, 4]], 0.2998838713692238)]

Matrix chosen: [[128, -31], [-16, 4]] for number (193014, 1291615) 0.1494361709952269

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.05498094186595901), ([[275, 31], [-36, -4]], 0.05498094186595901), ([[244, 31], [-32, -4]], 0.05498094186595901), ([[213, 31], [-28, -4]], 0.05498094186595901), ([[182, 31], [-24, -4]], 0.05498094186595901), ([[151, 31], [-20, -4]], 0.05498094186595901), ([[120, 31], [-16, -4]], 0.05498094186595901), ([[89, 31], [-12, -4]], 0.05498094186595901), ([[58, 31], [-8, -4]], 0.05498094186595901), ([[27, 31], [-4, -4]], 0.05498094186595901), ([[35, -31], [-4, 4]], 0.05498094186595901), ([[66, -31], [-8, 4]], 0.05498094186595901), ([[97, -31], [-12, 4]], 0.05498094186595901), ([[128, -31], [-16, 4]], 0.05498094186595901), ([[159, -31], [-20, 4]], 0.05498094186595901), ([[190, -31], [-24, 4]], 0.05498094186595901), ([[221, -31], [-28, 4]], 0.05498094186595901), ([[252, -31], [-32, 4]], 0.05498094186595901), ([[283, -31], [-36, 4]], 0.05498094186595901), ([[314, -31], [-40, 4]], 0.05498094186595901)]

Matrix chosen: [[125, -31], [-4, 1]] for number (22459, 408487) 0.05498094186595901

Matrix list sorted by distance from 0: [([[309, 31], [-10, -1]], 0.07805256097476211), ([[278, 31], [-9, -1]], 0.07805256097476211), ([[247, 31], [-8, -1]], 0.07805256097476211), ([[216, 31], [-7, -1]], 0.07805256097476211), ([[185, 31], [-6, -1]], 0.07805256097476211), ([[154, 31], [-5, -1]], 0.07805256097476211), ([[123, 31], [-4, -1]], 0.07805256097476211), ([[92, 31], [-3, -1]], 0.07805256097476211), ([[61, 31], [-2, -1]], 0.07805256097476211), ([[30, 31], [-1, -1]], 0.07805256097476211), ([[32, -31], [-1, 1]], 0.07805256097476211), ([[63, -31], [-2, 1]], 0.07805256097476211), ([[94, -31], [-3, 1]], 0.07805256097476211), ([[125, -31], [-4, 1]], 0.07805256097476211), ([[156, -31], [-5, 1]], 0.07805256097476211), ([[187, -31], [-6, 1]], 0.07805256097476211), ([[218, -31], [-7, 1]], 0.07805256097476211), ([[249, -31], [-8, 1]], 0.07805256097476211), ([[280, -31], [-9, 1]], 0.07805256097476211), ([[311, -31], [-10, 1]], 0.07805256097476211)]

Matrix chosen: [[126, 31], [8, 2]] for number (22459, -287742) -0.07805256097476211

Matrix list sorted by distance from 0: [([[312, 31], [20, 2]], 0.3720071224481345), ([[281, 31], [18, 2]], 0.3720071224481345), ([[250, 31], [16, 2]], 0.3720071224481345), ([[219, 31], [14, 2]], 0.3720071224481345), ([[188, 31], [12, 2]], 0.3720071224481345), ([[157, 31], [10, 2]], 0.3720071224481345), ([[126, 31], [8, 2]], 0.3720071224481345), ([[95, 31], [6, 2]], 0.3720071224481345), ([[64, 31], [4, 2]], 0.3720071224481345), ([[33, 31], [2, 2]], 0.3720071224481345), ([[29, -31], [2, -2]], 0.3720071224481345), ([[60, -31], [4, -2]], 0.3720071224481345), ([[91, -31], [6, -2]], 0.3720071224481345), ([[122, -31], [8, -2]], 0.3720071224481345), ([[153, -31], [10, -2]], 0.3720071224481345), ([[184, -31], [12, -2]], 0.3720071224481345), ([[215, -31], [14, -2]], 0.3720071224481345), ([[246, -31], [16, -2]], 0.3720071224481345), ([[277, -31], [18, -2]], 0.3720071224481345), ([[308, -31], [20, -2]], 0.3720071224481345)]

Matrix chosen: [[128, -31], [-16, 4]] for number (33577, 213249) 0.15745443120483565

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.2851813019250523), ([[275, 31], [-36, -4]], 0.2851813019250523), ([[244, 31], [-32, -4]], 0.2851813019250523), ([[213, 31], [-28, -4]], 0.2851813019250523), ([[182, 31], [-24, -4]], 0.2851813019250523), ([[151, 31], [-20, -4]], 0.2851813019250523), ([[120, 31], [-16, -4]], 0.2851813019250523), ([[89, 31], [-12, -4]], 0.2851813019250523), ([[58, 31], [-8, -4]], 0.2851813019250523), ([[27, 31], [-4, -4]], 0.2851813019250523), ([[35, -31], [-4, 4]], 0.2851813019250523), ([[66, -31], [-8, 4]], 0.2851813019250523), ([[97, -31], [-12, 4]], 0.2851813019250523), ([[128, -31], [-16, 4]], 0.2851813019250523), ([[159, -31], [-20, 4]], 0.2851813019250523), ([[190, -31], [-24, 4]], 0.2851813019250523), ([[221, -31], [-28, 4]], 0.2851813019250523), ([[252, -31], [-32, 4]], 0.2851813019250523), ([[283, -31], [-36, 4]], 0.2851813019250523), ([[314, -31], [-40, 4]], 0.2851813019250523)]

Matrix chosen: [[194, -31], [-48, 8]] for number (53583, 187891) 0.2851813019250523

Matrix list sorted by distance from 0: [([[302, 31], [-80, -8]], 0.28599195922631293), ([[271, 31], [-72, -8]], 0.28599195922631293), ([[240, 31], [-64, -8]], 0.28599195922631293), ([[209, 31], [-56, -8]], 0.28599195922631293), ([[178, 31], [-48, -8]], 0.28599195922631293), ([[147, 31], [-40, -8]], 0.28599195922631293), ([[116, 31], [-32, -8]], 0.28599195922631293), ([[85, 31], [-24, -8]], 0.28599195922631293), ([[54, 31], [-16, -8]], 0.28599195922631293), ([[23, 31], [-8, -8]], 0.28599195922631293), ([[39, -31], [-8, 8]], 0.28599195922631293), ([[70, -31], [-16, 8]], 0.28599195922631293), ([[101, -31], [-24, 8]], 0.28599195922631293), ([[132, -31], [-32, 8]], 0.28599195922631293), ([[163, -31], [-40, 8]], 0.28599195922631293), ([[194, -31], [-48, 8]], 0.28599195922631293), ([[225, -31], [-56, 8]], 0.28599195922631293), ([[256, -31], [-64, 8]], 0.28599195922631293), ([[287, -31], [-72, 8]], 0.28599195922631293), ([[318, -31], [-80, 8]], 0.28599195922631293)]

Matrix chosen: [[225, -31], [-56, 8]] for number (45171, 157945) 0.28599195922631293

Matrix list sorted by distance from 0: [([[302, 31], [-80, -8]], 0.3572812835945327), ([[271, 31], [-72, -8]], 0.3572812835945327), ([[240, 31], [-64, -8]], 0.3572812835945327), ([[209, 31], [-56, -8]], 0.3572812835945327), ([[178, 31], [-48, -8]], 0.3572812835945327), ([[147, 31], [-40, -8]], 0.3572812835945327), ([[116, 31], [-32, -8]], 0.3572812835945327), ([[85, 31], [-24, -8]], 0.3572812835945327), ([[54, 31], [-16, -8]], 0.3572812835945327), ([[23, 31], [-8, -8]], 0.3572812835945327), ([[39, -31], [-8, 8]], 0.3572812835945327), ([[70, -31], [-16, 8]], 0.3572812835945327), ([[101, -31], [-24, 8]], 0.3572812835945327), ([[132, -31], [-32, 8]], 0.3572812835945327), ([[163, -31], [-40, 8]], 0.3572812835945327), ([[194, -31], [-48, 8]], 0.3572812835945327), ([[225, -31], [-56, 8]], 0.3572812835945327), ([[256, -31], [-64, 8]], 0.3572812835945327), ([[287, -31], [-72, 8]], 0.3572812835945327), ([[318, -31], [-80, 8]], 0.3572812835945327)]

Matrix chosen: [[215, 31], [-14, -2]] for number (29737, 420577) 0.07070524541284949

Matrix list sorted by distance from 0: [([[308, 31], [-20, -2]], 0.2629596123579493), ([[277, 31], [-18, -2]], 0.2629596123579493), ([[246, 31], [-16, -2]], 0.2629596123579493), ([[215, 31], [-14, -2]], 0.2629596123579493), ([[184, 31], [-12, -2]], 0.2629596123579493), ([[153, 31], [-10, -2]], 0.2629596123579493), ([[122, 31], [-8, -2]], 0.2629596123579493), ([[91, 31], [-6, -2]], 0.2629596123579493), ([[60, 31], [-4, -2]], 0.2629596123579493), ([[29, 31], [-2, -2]], 0.2629596123579493), ([[33, -31], [-2, 2]], 0.2629596123579493), ([[64, -31], [-4, 2]], 0.2629596123579493), ([[95, -31], [-6, 2]], 0.2629596123579493), ([[126, -31], [-8, 2]], 0.2629596123579493), ([[157, -31], [-10, 2]], 0.2629596123579493), ([[188, -31], [-12, 2]], 0.2629596123579493), ([[219, -31], [-14, 2]], 0.2629596123579493), ([[250, -31], [-16, 2]], 0.2629596123579493), ([[281, -31], [-18, 2]], 0.2629596123579493), ([[312, -31], [-20, 2]], 0.2629596123579493)]

Matrix chosen: [[318, -31], [-80, 8]] for number (21219, 80693) 0.2629596123579493

Matrix list sorted by distance from 0: [([[302, 31], [-80, -8]], 0.1370355247039608), ([[271, 31], [-72, -8]], 0.1370355247039608), ([[240, 31], [-64, -8]], 0.1370355247039608), ([[209, 31], [-56, -8]], 0.1370355247039608), ([[178, 31], [-48, -8]], 0.1370355247039608), ([[147, 31], [-40, -8]], 0.1370355247039608), ([[116, 31], [-32, -8]], 0.1370355247039608), ([[85, 31], [-24, -8]], 0.1370355247039608), ([[54, 31], [-16, -8]], 0.1370355247039608), ([[23, 31], [-8, -8]], 0.1370355247039608), ([[39, -31], [-8, 8]], 0.1370355247039608), ([[70, -31], [-16, 8]], 0.1370355247039608), ([[101, -31], [-24, 8]], 0.1370355247039608), ([[132, -31], [-32, 8]], 0.1370355247039608), ([[163, -31], [-40, 8]], 0.1370355247039608), ([[194, -31], [-48, 8]], 0.1370355247039608), ([[225, -31], [-56, 8]], 0.1370355247039608), ([[256, -31], [-64, 8]], 0.1370355247039608), ([[287, -31], [-72, 8]], 0.1370355247039608), ([[318, -31], [-80, 8]], 0.1370355247039608)]

Matrix chosen: [[27, 31], [-4, -4]] for number (1678, 12245) 0.1370355247039608

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.20934825543120475), ([[275, 31], [-36, -4]], 0.20934825543120475), ([[244, 31], [-32, -4]], 0.20934825543120475), ([[213, 31], [-28, -4]], 0.20934825543120475), ([[182, 31], [-24, -4]], 0.20934825543120475), ([[151, 31], [-20, -4]], 0.20934825543120475), ([[120, 31], [-16, -4]], 0.20934825543120475), ([[89, 31], [-12, -4]], 0.20934825543120475), ([[27, 31], [-4, -4]], 0.20934825543120475), ([[35, -31], [-4, 4]], 0.20934825543120475), ([[66, -31], [-8, 4]], 0.20934825543120475), ([[97, -31], [-12, 4]], 0.20934825543120475), ([[128, -31], [-16, 4]], 0.20934825543120475), ([[159, -31], [-20, 4]], 0.20934825543120475), ([[190, -31], [-24, 4]], 0.20934825543120475), ([[221, -31], [-28, 4]], 0.20934825543120475), ([[252, -31], [-32, 4]], 0.20934825543120475), ([[283, -31], [-36, 4]], 0.20934825543120475), ([[314, -31], [-40, 4]], 0.20934825543120475), ([[58, 31], [-8, -4]], 0.7906517445687953)]

Matrix chosen: [[159, 31], [20, 4]] for number (125, -1147) -0.10897994768962511

Matrix list sorted by distance from 0: [([[314, 31], [40, 4]], 0.29873772791023845), ([[283, 31], [36, 4]], 0.29873772791023845), ([[252, 31], [32, 4]], 0.29873772791023845), ([[221, 31], [28, 4]], 0.29873772791023845), ([[190, 31], [24, 4]], 0.29873772791023845), ([[159, 31], [20, 4]], 0.29873772791023845), ([[128, 31], [16, 4]], 0.29873772791023845), ([[97, 31], [12, 4]], 0.29873772791023845), ([[66, 31], [8, 4]], 0.29873772791023845), ([[35, 31], [4, 4]], 0.29873772791023845), ([[27, -31], [4, -4]], 0.29873772791023845), ([[58, -31], [8, -4]], 0.29873772791023845), ([[89, -31], [12, -4]], 0.29873772791023845), ([[120, -31], [16, -4]], 0.29873772791023845), ([[151, -31], [20, -4]], 0.29873772791023845), ([[182, -31], [24, -4]], 0.29873772791023845), ([[213, -31], [28, -4]], 0.29873772791023845), ([[244, -31], [32, -4]], 0.29873772791023845), ([[275, -31], [36, -4]], 0.29873772791023845), ([[306, -31], [40, -4]], 0.29873772791023845)]

Matrix chosen: [[182, 31], [-24, -4]] for number (94, 899) 0.10456062291434928

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.44868035190615835), ([[275, 31], [-36, -4]], 0.44868035190615835), ([[244, 31], [-32, -4]], 0.44868035190615835), ([[213, 31], [-28, -4]], 0.44868035190615835), ([[182, 31], [-24, -4]], 0.44868035190615835), ([[151, 31], [-20, -4]], 0.44868035190615835), ([[120, 31], [-16, -4]], 0.44868035190615835), ([[89, 31], [-12, -4]], 0.44868035190615835), ([[58, 31], [-8, -4]], 0.44868035190615835), ([[27, 31], [-4, -4]], 0.44868035190615835), ([[66, -31], [-8, 4]], 0.44868035190615835), ([[97, -31], [-12, 4]], 0.44868035190615835), ([[128, -31], [-16, 4]], 0.44868035190615835), ([[159, -31], [-20, 4]], 0.44868035190615835), ([[190, -31], [-24, 4]], 0.44868035190615835), ([[221, -31], [-28, 4]], 0.44868035190615835), ([[252, -31], [-32, 4]], 0.44868035190615835), ([[283, -31], [-36, 4]], 0.44868035190615835), ([[314, -31], [-40, 4]], 0.44868035190615835), ([[35, -31], [-4, 4]], 0.5513196480938416)]

Matrix chosen: [[116, -31], [32, -8]] for number (2073, -8401) -0.24675633853112725

Matrix list sorted by distance from 0: [([[318, 31], [80, 8]], 0.36876061120543296), ([[287, 31], [72, 8]], 0.36876061120543296), ([[256, 31], [64, 8]], 0.36876061120543296), ([[225, 31], [56, 8]], 0.36876061120543296), ([[194, 31], [48, 8]], 0.36876061120543296), ([[163, 31], [40, 8]], 0.36876061120543296), ([[132, 31], [32, 8]], 0.36876061120543296), ([[101, 31], [24, 8]], 0.36876061120543296), ([[70, 31], [16, 8]], 0.36876061120543296), ([[39, 31], [8, 8]], 0.36876061120543296), ([[23, -31], [8, -8]], 0.36876061120543296), ([[54, -31], [16, -8]], 0.36876061120543296), ([[85, -31], [24, -8]], 0.36876061120543296), ([[116, -31], [32, -8]], 0.36876061120543296), ([[147, -31], [40, -8]], 0.36876061120543296), ([[178, -31], [48, -8]], 0.36876061120543296), ([[209, -31], [56, -8]], 0.36876061120543296), ([[240, -31], [64, -8]], 0.36876061120543296), ([[271, -31], [72, -8]], 0.36876061120543296), ([[302, -31], [80, -8]], 0.36876061120543296)]

Matrix chosen: [[213, 31], [-28, -4]] for number (709, 5053) 0.14031268553334653

Matrix list sorted by distance from 0: [([[306, 31], [-40, -4]], 0.3950198075834748), ([[275, 31], [-36, -4]], 0.3950198075834748), ([[244, 31], [-32, -4]], 0.3950198075834748), ([[213, 31], [-28, -4]], 0.3950198075834748), ([[182, 31], [-24, -4]], 0.3950198075834748), ([[151, 31], [-20, -4]], 0.3950198075834748), ([[120, 31], [-16, -4]], 0.3950198075834748), ([[89, 31], [-12, -4]], 0.3950198075834748), ([[58, 31], [-8, -4]], 0.3950198075834748), ([[27, 31], [-4, -4]], 0.3950198075834748), ([[35, -31], [-4, 4]], 0.3950198075834748), ([[66, -31], [-8, 4]], 0.3950198075834748), ([[97, -31], [-12, 4]], 0.3950198075834748), ([[128, -31], [-16, 4]], 0.3950198075834748), ([[159, -31], [-20, 4]], 0.3950198075834748), ([[190, -31], [-24, 4]], 0.3950198075834748), ([[221, -31], [-28, 4]], 0.3950198075834748), ([[252, -31], [-32, 4]], 0.3950198075834748), ([[283, -31], [-36, 4]], 0.3950198075834748), ([[314, -31], [-40, 4]], 0.3950198075834748)]

Matrix chosen: [[318, -31], [-80, 8]] for number (959, 3751) 0.2556651559584111

Matrix list sorted by distance from 0: [([[302, 31], [-80, -8]], 0.4982078853046595), ([[271, 31], [-72, -8]], 0.4982078853046595), ([[240, 31], [-64, -8]], 0.4982078853046595), ([[209, 31], [-56, -8]], 0.4982078853046595), ([[178, 31], [-48, -8]], 0.4982078853046595), ([[147, 31], [-40, -8]], 0.4982078853046595), ([[116, 31], [-32, -8]], 0.4982078853046595), ([[85, 31], [-24, -8]], 0.4982078853046595), ([[54, 31], [-16, -8]], 0.4982078853046595), ([[23, 31], [-8, -8]], 0.4982078853046595), ([[39, -31], [-8, 8]], 0.4982078853046595), ([[70, -31], [-16, 8]], 0.4982078853046595), ([[101, -31], [-24, 8]], 0.4982078853046595), ([[132, -31], [-32, 8]], 0.4982078853046595), ([[163, -31], [-40, 8]], 0.4982078853046595), ([[194, -31], [-48, 8]], 0.4982078853046595), ([[225, -31], [-56, 8]], 0.4982078853046595), ([[256, -31], [-64, 8]], 0.4982078853046595), ([[287, -31], [-72, 8]], 0.4982078853046595), ([[318, -31], [-80, 8]], 0.4982078853046595)]

Matrix chosen: [[163, -31], [-40, 8]] for number (78693, 304141) 0.2587385456087801

Matrix list sorted by distance from 0: [([[302, 31], [-80, -8]], 0.06278520849724627), ([[271, 31], [-72, -8]], 0.06278520849724627), ([[240, 31], [-64, -8]], 0.06278520849724627), ([[209, 31], [-56, -8]], 0.06278520849724627), ([[178, 31], [-48, -8]], 0.06278520849724627), ([[147, 31], [-40, -8]], 0.06278520849724627), ([[116, 31], [-32, -8]], 0.06278520849724627), ([[85, 31], [-24, -8]], 0.06278520849724627), ([[54, 31], [-16, -8]], 0.06278520849724627), ([[23, 31], [-8, -8]], 0.06278520849724627), ([[39, -31], [-8, 8]], 0.06278520849724627), ([[70, -31], [-16, 8]], 0.06278520849724627), ([[101, -31], [-24, 8]], 0.06278520849724627), ([[132, -31], [-32, 8]], 0.06278520849724627), ([[163, -31], [-40, 8]], 0.06278520849724627), ([[194, -31], [-48, 8]], 0.06278520849724627), ([[225, -31], [-56, 8]], 0.06278520849724627), ([[256, -31], [-64, 8]], 0.06278520849724627), ([[287, -31], [-72, 8]], 0.06278520849724627), ([[318, -31], [-80, 8]], 0.06278520849724627)]

Matrix chosen: [[94, 31], [3, 1]] for number (399, -6355) -0.06278520849724627

Matrix list sorted by distance from 0: [([[311, 31], [10, 1]], 0.0663451945460592), ([[280, 31], [9, 1]], 0.0663451945460592), ([[249, 31], [8, 1]], 0.0663451945460592), ([[218, 31], [7, 1]], 0.0663451945460592), ([[187, 31], [6, 1]], 0.0663451945460592), ([[156, 31], [5, 1]], 0.0663451945460592), ([[125, 31], [4, 1]], 0.0663451945460592), ([[94, 31], [3, 1]], 0.0663451945460592), ([[63, 31], [2, 1]], 0.0663451945460592), ([[32, 31], [1, 1]], 0.0663451945460592), ([[30, -31], [1, -1]], 0.0663451945460592), ([[61, -31], [2, -1]], 0.0663451945460592), ([[92, -31], [3, -1]], 0.0663451945460592), ([[123, -31], [4, -1]], 0.0663451945460592), ([[154, -31], [5, -1]], 0.0663451945460592), ([[185, -31], [6, -1]], 0.0663451945460592), ([[216, -31], [7, -1]], 0.0663451945460592), ([[247, -31], [8, -1]], 0.0663451945460592), ([[278, -31], [9, -1]], 0.0663451945460592), ([[309, -31], [10, -1]], 0.0663451945460592)]

Matrix chosen: [[277, 31], [-18, -2]] for number (399, 6014) 0.0663451945460592

Matrix list sorted by distance from 0: [([[308, 31], [-20, -2]], 0.34017595307917886), ([[277, 31], [-18, -2]], 0.34017595307917886), ([[246, 31], [-16, -2]], 0.34017595307917886), ([[215, 31], [-14, -2]], 0.34017595307917886), ([[184, 31], [-12, -2]], 0.34017595307917886), ([[153, 31], [-10, -2]], 0.34017595307917886), ([[122, 31], [-8, -2]], 0.34017595307917886), ([[91, 31], [-6, -2]], 0.34017595307917886), ([[29, 31], [-2, -2]], 0.34017595307917886), ([[33, -31], [-2, 2]], 0.34017595307917886), ([[64, -31], [-4, 2]], 0.34017595307917886), ([[95, -31], [-6, 2]], 0.34017595307917886), ([[126, -31], [-8, 2]], 0.34017595307917886), ([[157, -31], [-10, 2]], 0.34017595307917886), ([[188, -31], [-12, 2]], 0.34017595307917886), ([[219, -31], [-14, 2]], 0.34017595307917886), ([[250, -31], [-16, 2]], 0.34017595307917886), ([[281, -31], [-18, 2]], 0.34017595307917886), ([[312, -31], [-20, 2]], 0.34017595307917886), ([[60, 31], [-4, -2]], 0.6598240469208211)]

Matrix chosen: [[281, -31], [-18, 2]] for number (15, 217) 0.06912442396313365

Matrix list sorted by distance from 0: [([[308, 31], [-20, -2]], 0.03225806451612903), ([[277, 31], [-18, -2]], 0.03225806451612903), ([[246, 31], [-16, -2]], 0.03225806451612903), ([[215, 31], [-14, -2]], 0.03225806451612903), ([[184, 31], [-12, -2]], 0.03225806451612903), ([[153, 31], [-10, -2]], 0.03225806451612903), ([[122, 31], [-8, -2]], 0.03225806451612903), ([[91, 31], [-6, -2]], 0.03225806451612903), ([[60, 31], [-4, -2]], 0.03225806451612903), ([[29, 31], [-2, -2]], 0.03225806451612903), ([[33, -31], [-2, 2]], 0.03225806451612903), ([[64, -31], [-4, 2]], 0.03225806451612903), ([[95, -31], [-6, 2]], 0.03225806451612903), ([[126, -31], [-8, 2]], 0.03225806451612903), ([[157, -31], [-10, 2]], 0.03225806451612903), ([[188, -31], [-12, 2]], 0.03225806451612903), ([[219, -31], [-14, 2]], 0.03225806451612903), ([[250, -31], [-16, 2]], 0.03225806451612903), ([[281, -31], [-18, 2]], 0.03225806451612903), ([[312, -31], [-20, 2]], 0.03225806451612903)]

Matrix chosen: [[311, -31], [-10, 1]] for number (1, 31) 0.03225806451612903

Matrix list sorted by distance from 0: [([[309, 31], [-10, -1]], 0), ([[278, 31], [-9, -1]], 0), ([[247, 31], [-8, -1]], 0), ([[216, 31], [-7, -1]], 0), ([[185, 31], [-6, -1]], 0), ([[154, 31], [-5, -1]], 0), ([[123, 31], [-4, -1]], 0), ([[92, 31], [-3, -1]], 0), ([[61, 31], [-2, -1]], 0), ([[30, 31], [-1, -1]], 0), ([[32, -31], [-1, 1]], 0), ([[63, -31], [-2, 1]], 0), ([[94, -31], [-3, 1]], 0), ([[125, -31], [-4, 1]], 0), ([[156, -31], [-5, 1]], 0), ([[187, -31], [-6, 1]], 0), ([[218, -31], [-7, 1]], 0), ([[249, -31], [-8, 1]], 0), ([[280, -31], [-9, 1]], 0), ([[311, -31], [-10, 1]], 0)]

[(1, 0), (8, 31), (23, -31), (184, 465), (281, -465), (2248, 4991), (2743, -4991), (21944, 45105), (23161, -45105), (185288, 357151), (171863, -357151), (1374904, 2470545), (1095641, -2470545), (8765128, 14200511), (5435383, -14200511), (43483064, 54892785), (11409721, -54892785), (91277768, -85440929), (5836839, -85440929), (41854131, 10060151), (1613527, 10060151), (13103358, 9778733), (3324625, 9778733), (26597000, -24833511), (1763489, -24833511), (1474159, -5001137), (3526978, 5001137), (14107912, -34663611), (20555699, 34663611), (164445592, -359917781), (195472189, 359917781), (1563777512, -3180295611), (1616518099, 3180295611), (12932144792, -24669696181), (11737551389, 24669696181), (93900411112, -166506523611), (72606112499, 166506523611), (580848899992, -918737298581), (337888398589, 918737298581), (2703107188712, -3124641967611), (421534778899, 3124641967611), (3962180217296, -569010275425), (20891710679, 569010275425), (1919726657846, -490377519801), (41783421358, 490377519801), (178157221927, -78632755624), (20891710679, -78632755624), (18676175138, -18580986057), (95189081

, -18580986057), (78245811811, -15630124546), (95189081, -15630124546), (1013389

15199, 12679263035), (95189081, -12679263035), (19361613967, 9728401524), (95189

081, -9728401524), (40760429159, -6777540013), (95189081, -6777540013), (1157522

4587, -3826678502), (95189081, -3826678502), (7977542000, -875816991), (95189081

, -875816991), (3486088847, 552406453), (171650129, 552406453), (1373201032, -90

1902375), (430603718, 901902375), (1722414872, -3066748129), (1344333257, 306674

8129), (10754666056, -17140345935), (6385679879, 17140345935), (51085439032, -60

833308769), (9747869737, 60833308769), (333245112803, -58850726771), (1985924782

3, 58850726771), (158873982584, -144830868345), (14043114239, -144830868345), (1

095722998812, 143986931971), (56172456956, -143986931971), (112344913912, 147362

677467), (35017763555, -147362677467), (746895856095, -93350749531), (89859847,

-93350749531), (90654954121, -90565094274), (89859847, -90565094274), (790104811

000, -87779439017), (89859847, -87779439017), (170077427367, -84993783760), (898

59847, -84993783760), (575546759368, -82208128503), (89859847, -82208128503), (1

58934806339, -79422473246), (89859847, -79422473246), (613004684065, 76636817989

), (89859847, -76636817989), (295494510775, -73851162732), (89859847, -738511627

32), (355417397222, -71065507475), (89859847, -71065507475), (409768973155, -682

79852218), (89859847, -68279852218), (589357912802, 65494196961), (89859847, -65

494196961), (438869932081, 62708541704), (89859847, -62708541704), (119935632741

, -59922886447), (89859847, -59922886447), (571282452053, 57137231190), (8985984

7, -57137231190), (434902467311, -54351575933), (89859847, -54351575933), (46400

3426237, 51565920676), (89859847, -51565920676), (438932528924, 48780265419), (8

9859847, -48780265419), (275877801125, 45994610162), (89859847, -45994610162), (

259343589277, -43208954905), (89859847, -43208954905), (323476257031, -404232996

48), (89859847, -40423299648), (301011295281, 37637644391), (89859847, -37637644

391), (209201794651, -34851989134), (89859847, -34851989134), (128355195355, -32

066333877), (89859847, -32066333877), (292896646047, -29280678620), (89859847, -

29280678620), (53079906573, -26495023363), (89859847, -26495023363), (2361950825

9, 23709368106), (89859847, -23709368106), (167479562639, -20923712849), (898598

47, -20923712849), (181290716073, 18138057592), (89859847, -18138057592), (92204

273857, -15352402335), (89859847, -15352402335), (25043634309, 12566747078), (89

859847, -12566747078), (48995318952, -9781091821), (89859847, -9781091821), (708

5296411, -6995436564), (89859847, -6995436564), (4299641154, -4209781307), (8985

9847, -4209781307), (8634616147, -1424126050), (89859847, -1424126050), (8079315

395, -1361529207), (89859847, 1361529207), (54526008, -62596843), (8070835, 6259

6843), (30559957, 191487), (77963, -191487), (623704, 884957), (261253, -884957)

, (2090024, 1019187), (51650, 1019187), (2379502, -581963), (51650, -581963), (8

3481, -109306), (25825, 109306), (797584, 73873), (15019, -73873), (120152, -125

395), (5243, 125395), (695570, -88257), (10486, 88257), (118839, 13981), (6990,

-13981), (27960, 52421), (24461, -52421), (195688, 338923), (143235, -338923), (

1145880, 1728901), (583021, -1728901), (4664168, 4242443), (421725, 4242443), (2

5587179, -3896297), (1686900, 3896297), (3373800, -5280881), (1907081, 5280881),

(15256648, -16872463), (1615815, 16872463), (52267647, -16345339), (3231630, -1

6345339), (12926520, -15291091), (2364571, 15291091), (87640412, 12137337), (267

9053, 12137337), (21432424, 14048053), (6663682, -14048053), (26654728, 47094859

), (20440131, -47094859), (163521048, 256885189), (93364141, -256885189), (74691

3128, 839206859), (92293731, -839206859), (2352062024, -495721775), (126546851,

495721775), (1354949360, 42821819), (15348848, -42821819), (15348848, 16654967),

(1306119, -16654967), (54825802, -7179755), (2612238, 7179755), (10448952, -117

70669), (1321717, 11770669), (25260377, -6109449), (822581, -6109449), (9663614,

1062215), (103679, 1062215), (6828961, -1034811), (414716, 1034811), (829432, -

1144427), (314995, 1144427), (1910531, -609429), (82244, -609429), (152970, 1398

1), (821, -13981), (92581, 11470), (821, 11470), (20957, 2511), (869, 2511), (69

52, -6851), (101, -6851), (33379, 3720), (101, -3720), (4611, 589), (101, -589),

(404, 775), (371, -775), (2968, 5301), (2333, -5301), (18664, 29915), (11251, -

29915), (90008, 109461), (19453, -109461), (155624, -272645), (117021, 272645),

(936168, -1446491), (510323, 1446491), (4082584, -4248085), (165501, 4248085), (

6400276, -3365639), (331002, 3365639), (3863498, 1600747), (662004, 1600747), (1

324008, -1929037), (605029, 1929037), (4840232, -3323603), (1516629, -3323603),

(12133032, 20426675), (8293643, -20426675), (66349144, 93689533), (27340389, -93

689533), (218723112, 98035795), (22651522, 98035795), (32527679, -41044589), (85

16910, 41044589), (34067640, 32166251), (1901389, 32166251), (212313075, 2677680

8), (1901389, -26776808), (30749993, 5389443), (1586665, -5389443), (12693320, 6

071071), (551178, 6071071), (11400435, -1236094), (275589, -1236094), (2204712,

-1345493), (486274, 1345493), (1945096, -2155275), (210179, 2155275), (11792590,

-2105551), (840716, 2105551), (1681432, -2304447), (623015, 2304447), (8495676,

-877889), (283214, 877889), (1132856, -878261), (254595, -878261), (4635831, 86

6357), (304046, 866357), (1216184, -1247285), (31101, 1247285), (1667823, -28315

4), (31101, 283154), (966829, 168485), (44081, -168485), (296755, 18631), (1341,

-18631), (6991, 4309), (1627, -4309), (13016, 15965), (2949, -15965), (23592, -

36301), (12709, 36301), (101672, -103571), (1899, 103571), (400419, -44702), (18

99, 44702), (271017, -30535), (3798, 30535), (9797, 2201), (993, 2201), (7944, -

13175), (5231, 13175), (41848, -56761), (14913, 56761), (193239, -8215), (3921,

8215), (31368, -55831), (24463, 55831), (195704, -311705), (116001, 311705), (92

8008, -1102391), (174383, 1102391), (10660622, -996309), (298777, 996309), (2390

216, -1291615), (193014, 1291615), (2019976, -408487), (22459, 408487), (1173427

, -287742), (22459, -287742), (527898, 120745), (44918, 120745), (179672, -21324

9), (33577, 213249), (885872, -187891), (53583, 187891), (1376334, -157945), (45

171, 157945), (1318555, -136741), (48855, 136741), (390840, -420577), (29737, 42

0577), (505377, 80693), (21219, 80693), (292202, -12245), (1678, 12245), (1837,

-1519), (318, -1519), (1272, -1147), (125, -1147), (3065, 713), (213, 713), (170

4, -899), (94, 899), (2234, 341), (153, -341), (1224, 2015), (791, -2015), (6328

, 8401), (2073, -8401), (28364, -2945), (1086, 2945), (4344, -5053), (709, 5053)

, (9533, 1767), (698, 1767), (2792, -3751), (959, 3751), (4882, 279), (139, 279)

, (1112, -2077), (965, 2077), (7720, -13299), (5579, 13299), (44632, -66557), (2

1925, 66557), (175400, -147219), (28181, -147219), (225448, -304141), (78693, 30

4141), (661319, -6355), (399, -6355), (18441, 6014), (399, 6014), (2271, 341), (

116, -341), (232, 217), (15, 217), (309, -31), (1, 31), (1, 0)]

b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1

, a^-1, b^1, a^1, b^4, a^-1, b^-2, a^1, b^-1, a^1, b^3, a^1, b^-1, a^1, b^-1, a^

1, b^-1, a^1, b^-1, a^1, b^-1, a^1, b^-1, a^1, b^-2, a^3, b^-7, a^-9, b^50, a^1,

b^-1, a^2, b^-1, a^1, b^-1, a^1, b^-1, a^1, b^-2, a^1, b^-1, a^1, b^3, a^-1, b^

1, a^3, b^268, a^3, b^-2, a^-169, b^1, a^-1, b^1, a^-2, b^-5, a^-3, b^1, a^1, b^

-6, a^-2, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^-3, a^1, b^-1, a^1, b^-3

, a^1, b^-2, a^1, b^-1, a^-2, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^2, a^1, b^-1, a

^-24, b^1, a^-1, b^3, a^1, b^-2, a^-1, b^2, a^-3, b^-3, a^1, b^-1, a^4, b^2, a^-

3, b^4, a^1, b^-1, a^1, b^18, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^1, b

^-1, a^1, b^-1, a^1, b^-7, a^1, b^-1, a^1, b^1, a^-1, b^1, a^-1, b^1, a^-2, b^-1

, a^-2, b^-1, a^-1, b^-4, a^-1, b^1, a^-2, b^-3, a^2, b^-1, a^1, b^-3, a^1, b^-1

, a^6, b^-1, a^1, b^1, a^-2, b^-1, a^1, b^-10, a^-1, b^1, a^-19, b^4, a^-1, b^1,

a^-1, b^1, a^1, b^-1, a^1, b^-14, a^-3, b^-1, a^1, b^-1, a^1, b^-1, a^15, b^-1,

a^1, b^-1, a^1, b^-1, a^1, b^-2, a^1, b^-1, a^2, b^-2, a^1, b^-5, a^1, b^-2, a^

1, b^-1, a^3, b^-1, a^3, b^-1, a^1, b^-4, a^1, b^-1, a^14, b^-2, a^2, b^1, a^1,

b^2, a^1, b^-1, a^2, b^-2, a^-1, b^1, a^-1, b^1, a^-1, b^1, a^6, b^-1, a^1, b^-2

, a^2, b^-1, a^1, b^-1, a^-27, b^-1, a^1, b^-1, a^1, b^-1, a^1, b^-1, a^1, b^1,

a^1, b^-1, a^99, b^4, a^2, b^1, a^-1, b^-4, a^1, b^-8, a^-10

256

[[1, 0], [-45776809102653616849699251038164689478880879484909907045999283452295300373904631503740865963111145925246181727323076152742925387232243478050665335100412720003386483951677897258327617601684456648, 4562440617622195218641171605700291324893228507248559930579192517899275167208677386505912811317371399778642309573594407310688704721375437998252661319722214188251994674360264950082874192246603776]]