| Distance btw Centers | Error | Iteration | Percentage correct points (%) |
| --- | --- | --- | --- |
| 2 | 0.7092 | 19 | 99.7 |
| 2.1 | 0.67534 | 11 | 100 |
| 2.2 | 0.674759493688 | 7 | 100 |
| 2.3 | 0.71102464214 | 6 | 100 |
| 2.4 | 0.691953208987 | 6 | 100 |
| 2.5 | 0.703607127963 | 6 | 99.9 |
| 2.6 | 0.695740109429 | 5 | 100 |
| 2.7 | 0.700792157274 | 5 | 100 |
| 2.8 | 0.691265697762 | 4 | 100 |
| 2.9 | 0.685440079494 | 3 | 100 |
| 3.0 | 0.716062737556 | 3 | 100 |
| 3.1 | 0.716848076195 | 3 | 100 |
| 3.2 | 0.667497849734 | 3 | 100 |
| 3.3 | 0.700210819036 | 4 | 100 |
| 3.4 | 0.705558966808 | 4 | 100 |
| 3.5 | 0.66656563347 | 2 | 100 |
| 3.6 | 0.680974874082 | 3 | 100 |
| 3.7 | 0.720947054816 | 2 | 100 |
| 3.8 | 0.699149110967 | 3 | 100 |
| 3.9 | 0.704984531226 | 2 | 100 |
| 8 | 0.699915148823 | 2 | 100 |
| 16 | 0.693768229957 | 2 | 100 |
| 32 | 0.679679465496 | 2 | 100 |

Total number of points - 1000

Dimension - 1000

Ratio - 1:2

Radius - 1

| Distance btw Centers | Error | Iteration | Percentage correct points (%) |
| --- | --- | --- | --- |
| **2** | 0.761541801324 | 23 | 99.7 |
| **2.1** | 0.757614369579 | 14 | 99.9 |
| **2.2** | 0.768628969155 | 14 | 99.7 |
| **2.3** | 0.786340642899 | 9 | 99.7 |
| **2.4** | 0.725621636751 | 7 | 100 |
| **2.5** | 0.739556922858 | 6 | 100 |
| **2.6** | 0.760812769996 | 5 | 100 |
| **2.7** | 0.762175989236 | 4 | 100 |
| **2.8** | 0.735919180576 | 4 | 100 |
| **2.9** | 0.752838231208 | 4 | 100 |
| **3.0** | 0.774346544058 | 3 | 100 |
| **3.1** | 0.75232009167 | 4 | 100 |
| **3.2** | 0.746561437413 | 3 | 100 |
| **3.3** | 0.755260111197 | 3 | 100 |
| **3.4** | 0.767998180603 | 2 | 100 |
| **3.5** | 0.736466157357 | 3 | 100 |
| **3.6** | 0.762514291597 | 3 | 100 |
| **3.7** | 0.762753996964 | 2 | 100 |
| **3.8** | 0.761753761813 | 2 | 100 |
| **3.9** | 0.762945245736 | 2 | 100 |
| **8** | 0.769801971874 | 2 | 100 |
| **16** | 0.769844950601 | 2 | 100 |
| **32** | 0.768359089428 | 2 | 100 |

Total number of points - 1000

Dimension - 1000

Ratio - 1:3

| Distance btw Centers | Error | Iteration | Percentage correct points (%) |
| --- | --- | --- | --- |
| **2** | 0.922120502141 | 43 | 98.5 |
| **2.1** | 0.859613163492 | 20 | 99.9 |
| **2.2** | 0.87981660179 | 21 | 99.9 |
| **2.3** | 0.893613081309 | 16 | 99.4 |
| **2.4** | 0.892177241945 | 9 | 99.9 |
| **2.5** | 0.888116645778 | 10 | 99.9 |
| **2.6** | 0.843552128948 | 6 | 99.9 |
| **2.7** | 0.879102573538 | 7 | 100 |
| **2.8** | 0.900736336183 | 6 | 100 |
| **2.9** | 0.904812662459 | 4 | 100 |
| **3.0** | 0.920234683883 | 4 | 100 |
| **3.1** | 0.892986509595 | 3 | 100 |
| **3.2** | 0.899738131296 | 3 | 100 |
| **3.3** | 0.870530701988 | 2 | 100 |
| **3.4** | 0.874918663052 | 3 | 100 |
| **3.5** | 0.895511554381 | 2 | 100 |
| **3.6** | 0.890229261032 | 3 | 100 |
| **3.7** | 0.959425985231 | 4 | 100 |
| **3.8** | 0.913097491546 | 2 | 100 |
| **3.9** | 0.903636399474 | 2 | 100 |
| **8** | 0.913487068563 | 2 | 100 |
| **16** | 0.890914784136 | 2 | 100 |
| **32** | 0.919356801296 | 2 | 100 |

Radius - 1  
  
  
  
  
  
  
  
Total number of points - 1000

Dimension - 1000

Ratio - 1 : 5

| Distance btw Centers | Error | Iteration | Percentage correct points (%) |
| --- | --- | --- | --- |
| **2** | 1.51839327991 | 59 | 88.9 |
| **2.1** | 1.34978696748 | 44 | 93.7 |
| **2.2** | 1.26351480692 | 53 | 96.7 |
| **2.3** | 1.191624539 | 30 | 98.3 |
| **2.4** | 1.1626214962 | 15 | 99.5 |
| **2.5** | 1.190554936 | 19 | 99.2 |
| **2.6** | 1.12876864324 | 8 | 100 |
| **2.7** | 1.22101400201 | 21 | 100 |
| **2.8** | 1.16161200107 | 18 | 100 |
| **2.9** | 1.18157519198 | 16 | 100 |
| **3.0** | 1.16951508563 | 16 | 100 |
| **3.1** | 1.1809029192 | 3 | 100 |
| **3.2** | 1.19183053919 | 4 | 100 |
| **3.3** | 1.21507190507 | 12 | 100 |
| **3.4** | 1.19045712318 | 6 | 100 |
| **3.5** | 1.18544213755 | 5 | 100 |
| **3.6** | 1.21982709747 | 3 | 100 |
| **3.7** | 1.23041911535 | 3 | 100 |
| **3.8** | 1.28064602763 | 2 | 100 |
| **3.9** | 1.28103513825 | 2 | 100 |
| **8** | 1.18035055346 | 2 | 100 |
| **16** | 1.22949970042 | 2 | 100 |
| **32** | 1.24620871492 | 2 | 100 |

Radius - 1  
  
  
  
  
  
  
Total number of points - 1000

Dimension - 1000

Ratio - 1:10

Radius - 1