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| **Operation to be tested & description of action** | **Input Values** | **Expected Values** |
| **Boggle solver SolveBoard:** | Board=  {{"q","q","q","q"},  {"q","q","q","q"},  {"q","q","q","q"},  {"q","q","q","q"}};  bool print=true | Nothing; |
| Board= {{"a","l","q","q"},  {"q","x","q","q"},  {"q","q","e","q"},  {"q","q”,"q","q"}}  bool print = true | Word: al  Number of words:  1  [ a l q q ] [ 1 2 0 0 ]  [ q x q q ] [ 0 0 0 0 ]  [ q q e q ] [ 0 0 0 0 ]  [ q q q q ] [ 0 0 0 0 ]  Word: ax  Number of words:  2  [ a l q q ] [ 1 0 0 0 ]  [ q x q q ] [ 0 2 0 0 ]  [ q q e q ] [ 0 0 0 0 ]  [ q q q q ] [ 0 0 0 0 ]  Word: axe  Number of words:  3  [ a l q q ] [ 1 0 0 0 ]  [ q x q q ] [ 0 2 0 0 ]  [ q q e q ] [ 0 0 3 0 ]  [ q q q q ] [ 0 0 0 0 ]  Word: la  Number of words:  4  [ a l q q ] [ 2 1 0 0 ]  [ q x q q ] [ 0 0 0 0 ]  [ q q e q ] [ 0 0 0 0 ]  [ q q q q ] [ 0 0 0 0 ]  Word: lax  Number of words:  5  [ a l q q ] [ 2 1 0 0 ]  [ q x q q ] [ 0 3 0 0 ]  [ q q e q ] [ 0 0 0 0 ]  [ q q q q ] [ 0 0 0 0 ]  Word: ex  Number of words:  6  [ a l q q ] [ 0 0 0 0 ]  [ q x q q ] [ 0 2 0 0 ]  [ q q e q ] [ 0 0 1 0 ]  [ q q q q ] [ 0 0 0 0 ] |
| Board= {{"c","o","o","e"},  {"f","l","t","a"},  {"b","e","w","d"},  {"h","g","o","o"}}  bool print = false | coo  coot  cool  cot  cote  col  colt  cole  cloot  clot  clef  clew  oot  ole  oleo  of  oe  oat  eat  et  eta  foot  footle  fool  flota  floc  floe  float  flew  felt  fet  fete  feta  few  feod  feh  lo  loo  loot  lot  lota  load  loof  let  lewd  leg  to  too  tool  tole  toe  toea  toad  tea  ta  tao  tae  tad  taw  twa  twae  two  tel  tew  teg  ae  ad  ado  aw  awl  awe  at  ate  blot  bloc  bloat  blet  blew  be  befool  bel  belt  bet  beta  beg  ef  el  elf  ego  eh  wae  wad  wat  wo  woo  wood  woe  wog  we  welt  wet  web  webfoot  da  daw  dawt  dato  date  do  dow  dowel  doe  dog  doge  dwelt  he  helot  het  hew  gel  gelt  get  geta  go  gowd  god  goo  good  ow  owl  owlet  owe  od |
| User entered data: | Board =  [ n e r d ]  [ v z x y ]  [ p m g j ]  [ r q n s ]  bool print = true | Word: ne  Number of words: 1  [ 'n''e' r d ] [ 1 2 0 0 ]  [ v z x y ] [ 0 0 0 0 ]  [ p m g j ] [ 0 0 0 0 ]  [ r q n s ] [ 0 0 0 0 ]  Word: nerd  Number of words: 2  [ 'n''e''r''d'] [ 1 2 3 4 ]  [ v z x y ] [ 0 0 0 0 ]  [ p m g j ] [ 0 0 0 0 ]  [ r q n s ] [ 0 0 0 0 ]  Word: nerdy  Number of words: 3  [ 'n''e''r''d'] [ 1 2 3 4 ]  [ v z x 'y'] [ 0 0 0 5 ]  [ p m g j ] [ 0 0 0 0 ]  [ r q n s ] [ 0 0 0 0 ]  Word: er  Number of words: 4  [ n 'e''r' d ] [ 0 1 2 0 ]  [ v z x y ] [ 0 0 0 0 ]  [ p m g j ] [ 0 0 0 0 ]  [ r q n s ] [ 0 0 0 0 ]  Word: ex  Number of words: 5  [ n 'e' r d ] [ 0 1 0 0 ]  [ v z 'x' y ] [ 0 0 2 0 ]  [ p m g j ] [ 0 0 0 0 ]  [ r q n s ] [ 0 0 0 0 ]  Word: en  Number of words: 6  [ 'n''e' r d ] [ 2 1 0 0 ]  [ v z x y ] [ 0 0 0 0 ]  [ p m g j ] [ 0 0 0 0 ]  [ r q n s ] [ 0 0 0 0 ]  Word: re  Number of words: 7  [ n 'e''r' d ] [ 0 2 1 0 ]  [ v z x y ] [ 0 0 0 0 ]  [ p m g j ] [ 0 0 0 0 ]  [ r q n s ] [ 0 0 0 0 ]  Word: rex  Number of words: 8  [ n 'e''r' d ] [ 0 2 1 0 ]  [ v z 'x' y ] [ 0 0 3 0 ]  [ p m g j ] [ 0 0 0 0 ]  [ r q n s ] [ 0 0 0 0 ]  Word: rev  Number of words: 9  [ n 'e''r' d ] [ 0 2 1 0 ]  [ 'v' z x y ] [ 3 0 0 0 ]  [ p m g j ] [ 0 0 0 0 ]  [ r q n s ] [ 0 0 0 0 ]  Word: dry  Number of words: 10  [ n e 'r''d'] [ 0 0 2 1 ]  [ v z x 'y'] [ 0 0 0 3 ]  [ p m g j ] [ 0 0 0 0 ]  [ r q n s ] [ 0 0 0 0 ]  Word: very  Number of words: 11  [ n 'e''r' d ] [ 0 2 3 0 ]  [ 'v' z x 'y'] [ 1 0 0 4 ]  [ p m g j ] [ 0 0 0 0 ]  [ r q n s ] [ 0 0 0 0 ]  Word: vex  Number of words: 12  [ n 'e' r d ] [ 0 2 0 0 ]  [ 'v' z 'x' y ] [ 1 0 3 0 ]  [ p m g j ] [ 0 0 0 0 ]  [ r q n s ] [ 0 0 0 0 ]  Word: gyre  Number of words: 13  [ n 'e''r' d ] [ 0 4 3 0 ]  [ v z x 'y'] [ 0 0 0 2 ]  [ p m 'g' j ] [ 0 0 1 0 ]  [ r q n s ] [ 0 0 0 0 ] |
| User entered Data: | Board =  [ n e r d ]  [ v z x y ]  [ p m g j ]  [ r q n s ]  bool print = false | 1 ne  2 nerd  3 nerdy  4 er  5 ex  6 en  7 re  8 rex  9 rev  10 dry  11 very  12 vex  13 gyre |