```
fun = @(x)x(1)^2 + x(2)^2 - 26  + 3*x(1)^2 + 25*x(2)^2  - 100;
x0 = [0,0];
x = fsolve(fun,x0)
```

% This 2 functions is supposed to have no solution, hence this answer
% is normal and expected.

##: Trust-region-dogleg algorithm of FSOLVE cannot handle non-square systems;
using Levenberg-Marquardt algorithm instead.

No solution found.

fsolve stopped because the problem appears regular as measured by the
gradient,
but the vector of function values is not near zero as measured by the
value of the function tolerance.

x =

    0   0

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