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PSEUDOCODE

Gauss Elimination

1. Start
2. Take user input A, B.
3. Y = [A B]
4. counter = 0
5. For i = 1 to row(Y):

% Pivot and largest diagonal Element.

```
diagonal_max = Y(i,:)
max_row = i
for k = i+1 to row(Y):
    if |Y(k,i)| > diagonal_max:
        update diagonal_max & max_row
    end if
end for
update Y(i,:)
```

% Gauss Elimination method

```
if |Y(i,i)| > ε
    For j = i+1 to row(Y)
```