```
guestion:
   Possibility of implementing swap gate using single
    gubit gates only:=
gate using two single input pubit gates.
  charms if possible ut, no com we can.
   Then, the materia of Swap gate is
           \begin{pmatrix} 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{pmatrix} = A
  let The two sings input qubit gates are
       (ab) + (p2).
        (ab) (p2) = A
      7 ab = 1 by = c9 = ds = 1
        and, costoso other entries are zero.
      raise one ag=0
      But ap=14 cq=1 implies a +0, 9+0.
       so contradiction
      we are derne
```