05.) Calculato \[ \bar{\gamma} \bar{\gamma}

10X01 + 10X11 + 11X01 + 11X11

10) and 11) are orthogonal state

| ue know |  $| 10 \times 0| = (10)(10) = (1.0)$   $| 10 \times 1| = (0.1)$ 

 $11\times01 = (00)$ 

25 8 1 (X) = (1 1)

1.

7 14 21 28 1 8 15 22 29 2 1 2 9 16 23 30 2 19 17 24 31

3 10 17 24 31 4 11 18 25 5 12 19 26 Notes