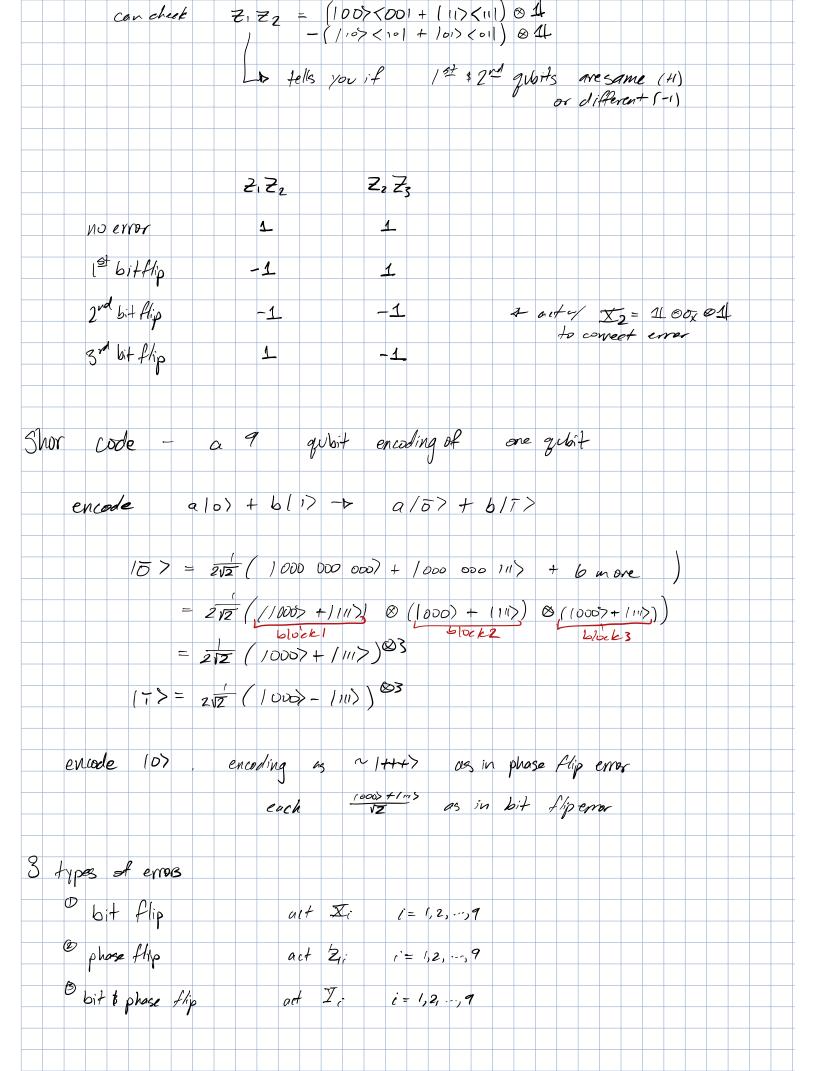
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Bit flip in 1 the gubit
       |\Psi_{E}\rangle = \frac{a}{2\sqrt{2}} \left( (1000 + 1011) \otimes (10000 + 1111) \otimes^{2} \right)
              + 212 ( (1007 - 1011) & (10007 - 1111) 02)
       Measure Z, Z, —D -1 (127 & 2nd one disp)
Z, Z, Z, —D 1 (2nd & 3nd one some)
              => implies first bit flip
                  X_2 | V_E \rangle = | Y \rangle = a | \overline{o} \rangle + 6 | \overline{i} \rangle
        in general, measure Z_1Z_2 $ Z_2 Z_3 , Z_4 Z_5 $ Z_5 $ Z_6 $ Z_8 $ Z_8 $ Z_9
Phase flip in 1st gubit
          |\psi_{E}\rangle = \frac{a}{2\sqrt{2}} \left( (1000\rangle - 1111\rangle \right) \otimes (1000\rangle + 1111\rangle)^{\otimes 2}
                  + \frac{1000 + 1110}{202} \left( \frac{1000 + 1110}{1000} \right) \otimes \left( \frac{1000}{1000} + \frac{1110}{100} \right) \otimes \left( \frac{1000}{1000} + \frac{1110}{1000} \right)
          Same expression for any in black instead of locating gibit, we locate block $ fix black
       Neasure X, X2 X3 X4 X5 X6 = (X, X2 X3) (X4 X5 X6) (111)
                        X4X5 X6X7 X8 X9 = (AAA) (X4X5X6)(X7X8X4)
```