Alice is sending 10 gulds

R= 8 40 = 10), 41 = 1173 suctangular bases

D = S do = 1+1, $d_1 = 1-13$ diagnal basis

and the predictibly of Bob measuring in the same basis as in which Alice prespared the state is 2, so they'll get 5 bits of strings as key.

b) since Eve & Earner drupping 27 and she measured all the stides in SUNDAY 27

than Alice and Bob's.

So & of time they guess the reight basis and when the basis & wrong they enduce an enormath so & push. (0.5 x 0.5) = 0.25

25% peobability that they introduce an even

So the probabils that Eve could Eurosobrepor 10 bits and not introduce an ever. Is better 5.6% for 10 bits on ever. Is better, she'll induce an ever.

So, it'll undure an ever 25% peront, so, buth Eve, Eaves deapping, Bob are only emperod todal 2-3 buts

Public that first bit in Alice's key is samear

R basis

Eve measures in y basis

the answer suma sumains the Same.

appearance on all a post to the other

2017 AUGUST

Notes

T LOO DIED BELLE OF HELL

there were british as a little out