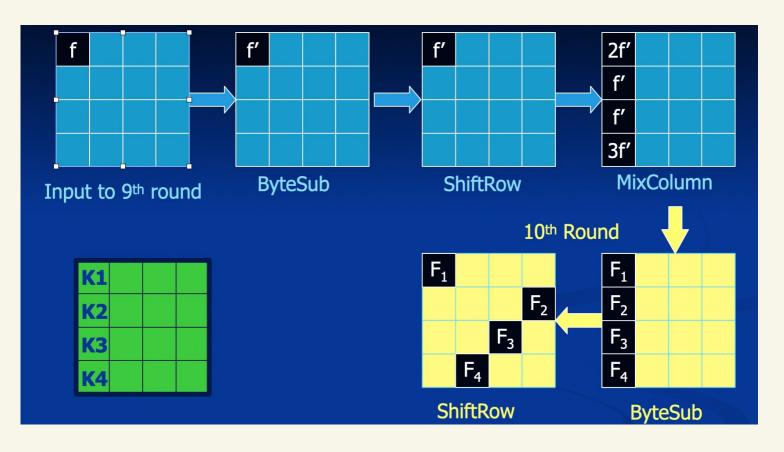
2.2) Propagation of fault of the fault is injected at the input of 9th round.



2.3) How does location of fault injection affect the propagation of fault?

For a byte fault attack:

- -> As in byte fault attack the fault is injected at the beginning of the 9th round, we have 7 operations: subByte, shiftrow, mix column, add round key rk9, subByte, shiftrow and add round key rk10.
- -> unlike bit fault attack, 4 bytes are affected by the end of 10th round as seen on previous page.
- -> This is mainly due to mix column which affects 4 bytes on its output. Having Example of mix column:

a _{0,0}	a _{0,1}	a _{0,2}	a _{0,3}		2	3	1	1		b _{0,0}	b _{0,1}	b _{0,2}	b _{0,3}
a _{1,0}	a _{1,1}	a _{1,2}	a _{1,3}	x	1	2	3	1	=	b _{1,0}	b _{1,1}	b _{1,2}	b _{1,3}
a _{2,0}	a _{2,1}	a _{2,2}	a _{2,3}		1	1	2	3		b _{2,0}	b _{2,1}	b _{2,2}	b _{2,3}
a _{3,0}	a _{3,1}	a _{3,2}	a _{3,3}		3	1	1	2		b _{3,0}	b _{3,1}	b _{3,2}	b _{3,3}

