

SP-->

X1	X0
XXXX	XXXX
XXXX	XXXX

new_sp

X0	X1
X2	X3
X4	X5
X6	X7
X8	X9
X10	X11
X12	X13
X14	X15
X16	X17
X18	X19
X20	X21
X22	X23
X24	X25
X26	X27
X28	X29 ESP
X30 LR	origin_sp
PSR	X0
XXXX	XXXX
XXXX	XXXX

origin_sp