

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-->