1. For each member in your team, provide 1 paragraph detailing what parts of the lab that member implemented / researched. (You may skip this question if you are doing the lab by yourself).

Only myself: Yilin Zhou (sjsuid:012571026)

1. Include a sample of your print of exit count output from dmesg from “with ept” and “without ept”.

The sample of exit count output from dmesg from “with ept”:

[ 6592.276858] number\_of\_exits =11827

[ 6613.515049] number\_of\_exits =11827

[ 6613.519563] number\_of\_exits =83150

[ 6613.522361] number\_of\_exits =0

[ 6613.528014] number\_of\_exits =0

[ 6613.538615] number\_of\_exits =0

[ 6613.546675] number\_of\_exits =0

[ 6613.555053] number\_of\_exits =0

[ 6613.556881] number\_of\_exits =27469

[ 6613.559349] number\_of\_exits =0

[ 6613.568051] number\_of\_exits =0

[ 6613.573578] number\_of\_exits =151913

[ 6613.581611] number\_of\_exits =0

[ 6613.587085] number\_of\_exits =251169

[ 6613.588722] number\_of\_exits =0

[ 6613.595996] number\_of\_exits =0

[ 6613.598689] number\_of\_exits =0

[ 6613.602909] number\_of\_exits =0

[ 6613.604477] number\_of\_exits =0

[ 6613.605668] number\_of\_exits =0

[ 6613.611758] number\_of\_exits =0

[ 6613.613041] number\_of\_exits =0

[ 6613.619077] number\_of\_exits =0

[ 6613.623239] number\_of\_exits =0

[ 6613.625170] number\_of\_exits =0

[ 6613.628573] number\_of\_exits =0

[ 6613.631825] number\_of\_exits =0

[ 6613.639438] number\_of\_exits =0

[ 6613.644862] number\_of\_exits =0

[ 6613.649732] number\_of\_exits =25757

[ 6613.654489] number\_of\_exits =2

[ 6613.660427] number\_of\_exits =217460

[ 6613.671462] number\_of\_exits =15304

[ 6613.677628] number\_of\_exits =720748

[ 6613.685977] number\_of\_exits =0

[ 6613.694686] number\_of\_exits =0

[ 6613.706721] not defined exit number in SDM: 0

[ 6613.712776] number\_of\_exits =0

[ 6613.716794] number\_of\_exits =0

[ 6613.721343] not defined exit number in SDM: 0

[ 6613.725632] number\_of\_exits =0

[ 6613.740323] number\_of\_exits =24931

[ 6613.746213] number\_of\_exits =0

[ 6613.753027] not defined exit number in SDM: 0

[ 6613.759974] number\_of\_exits =0

[ 6613.764083] number\_of\_exits =0

[ 6613.772616] number\_of\_exits =0

[ 6613.775179] number\_of\_exits =6

[ 6613.777202] number\_of\_exits =2

[ 6613.782437] number\_of\_exits =154817

[ 6613.788190] number\_of\_exits =59307

[ 6613.791243] number\_of\_exits =0

[ 6613.794781] number\_of\_exits =0

[ 6613.802083] number\_of\_exits =0

[ 6613.807689] number\_of\_exits =0

[ 6613.809776] number\_of\_exits =3

[ 6613.810944] number\_of\_exits =3

[ 6613.813423] number\_of\_exits =0

[ 6613.816426] number\_of\_exits =0

[ 6613.821520] number\_of\_exits =0

[ 6613.824088] number\_of\_exits =0

[ 6613.825456] number\_of\_exits =0

[ 6613.826711] number\_of\_exits =0

[ 6613.827931] number\_of\_exits =0

[ 6613.829739] number\_of\_exits =0

[ 6613.832866] number\_of\_exits =0

[ 6613.834634] not defined exit number in SDM: 0

[ 6613.836964] number\_of\_exits =0

[ 6613.839479] number\_of\_exits =0

The sample of exit count output from dmesg from “without ept”:

[ 6965.710042] number\_of\_exits =1125038

[ 6965.728336] number\_of\_exits =198939

[ 6965.754108] number\_of\_exits =0

[ 6965.787420] number\_of\_exits =0

[ 6965.808676] number\_of\_exits =0

[ 6965.833772] number\_of\_exits =0

[ 6965.857406] number\_of\_exits =0

[ 6965.875610] number\_of\_exits =91546

[ 6965.897573] number\_of\_exits =0

[ 6965.920488] number\_of\_exits =0

[ 6965.938111] number\_of\_exits =295701

[ 6965.964782] number\_of\_exits =0

[ 6965.985808] number\_of\_exits =277390

[ 6966.013073] number\_of\_exits =0

[ 6966.040272] number\_of\_exits =122838

[ 6966.070395] number\_of\_exits =0

[ 6966.094383] number\_of\_exits =0

[ 6966.122788] number\_of\_exits =0

[ 6966.149095] number\_of\_exits =0

[ 6966.172608] number\_of\_exits =0

[ 6966.197304] number\_of\_exits =0

[ 6966.221513] number\_of\_exits =0

[ 6966.250356] number\_of\_exits =0

[ 6966.272768] number\_of\_exits =0

[ 6966.298267] number\_of\_exits =0

[ 6966.322786] number\_of\_exits =0

[ 6966.349161] number\_of\_exits =0

[ 6966.372152] number\_of\_exits =0

[ 6966.398389] number\_of\_exits =7080889

[ 6966.421723] number\_of\_exits =4

[ 6966.449536] number\_of\_exits =437469

[ 6966.473793] number\_of\_exits =16394

[ 6966.508581] number\_of\_exits =920742

[ 6966.536664] number\_of\_exits =0

[ 6966.564416] number\_of\_exits =0

[ 6966.592633] not defined exit number in SDM: 0

[ 6966.627486] number\_of\_exits =0

[ 6966.658188] number\_of\_exits =0

[ 6966.683745] not defined exit number in SDM: 0

[ 6966.711574] number\_of\_exits =0

[ 6966.733713] number\_of\_exits =37172

[ 6966.759002] number\_of\_exits =0

[ 6966.787230] not defined exit number in SDM: 0

[ 6966.812354] number\_of\_exits =0

[ 6966.839581] number\_of\_exits =0

[ 6966.863614] number\_of\_exits =0

[ 6966.889013] number\_of\_exits =12

[ 6966.925113] number\_of\_exits =4

[ 6966.948999] number\_of\_exits =165311

[ 6966.983905] number\_of\_exits =60491

[ 6967.011352] number\_of\_exits =0

[ 6967.036130] number\_of\_exits =0

[ 6967.060904] number\_of\_exits =0

[ 6967.084755] number\_of\_exits =0

[ 6967.106087] number\_of\_exits =7

[ 6967.131161] number\_of\_exits =6

[ 6967.155928] number\_of\_exits =0

[ 6967.181022] number\_of\_exits =0

[ 6967.204173] number\_of\_exits =86213

[ 6967.227867] number\_of\_exits =0

[ 6967.253901] number\_of\_exits =0

[ 6967.286214] number\_of\_exits =0

[ 6967.312432] number\_of\_exits =0

[ 6967.336142] number\_of\_exits =0

[ 6967.365144] number\_of\_exits =0

[ 6967.390491] not defined exit number in SDM: 0

[ 6967.418610] number\_of\_exits =0

[ 6967.443209] number\_of\_exits =0

1. What did you learn from the count of exits? Was the count what you expected? If not, why not?
2. What changed between the two runs (ept vs no-ept)?