A potential source of positive reactivity is due to uncontrolled removal of a control rod bank. Determine the more limiting of these events assuming the reactor is operating at 100% and 20% power. You should consider EOC, BOC, rods in manual, rods in automatic, pressurizer heaters enabled and disabled and TBVs and ADVs enabled and disabled. Consider reactivity insertion rates of 4 pcm/sec and 0.4 pcm/sec. These correspond to the rods stepping out at their maximum and minimum rates respectively. The most limiting event can be defined as that event which results in the most significant reduction in the margin to fuel centerline temperature melt or DNB.