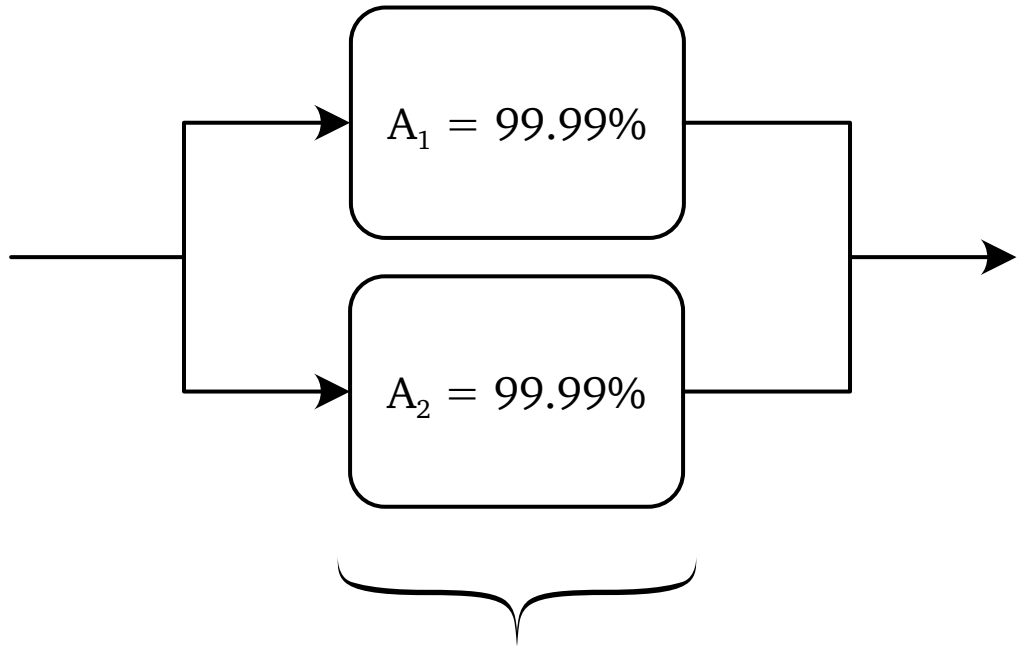Estimated downtime per node: 52.59 min/year

$1 - (1 - A)^2 = 99.999999\%$; Total downtime: 0.32 s/year