FIG.1

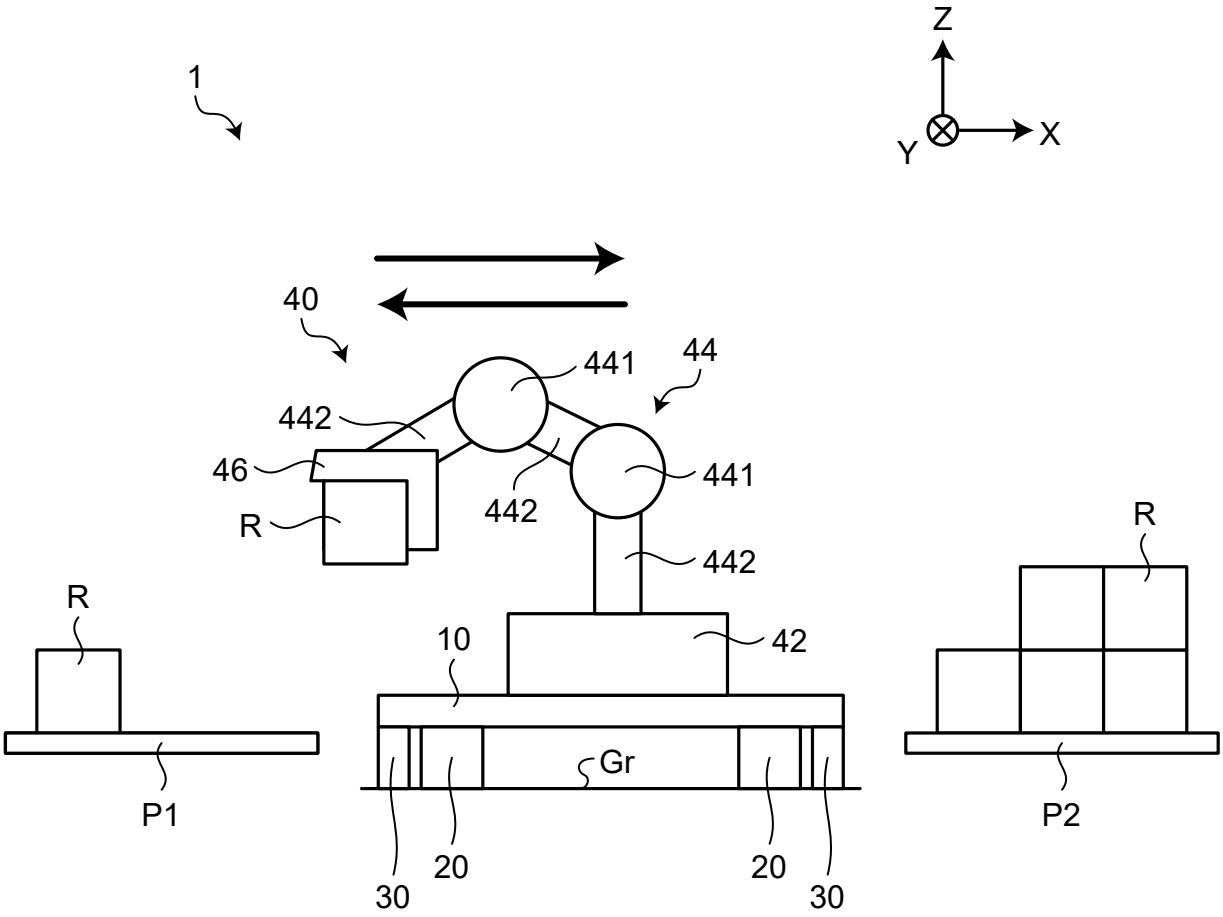


FIG.2

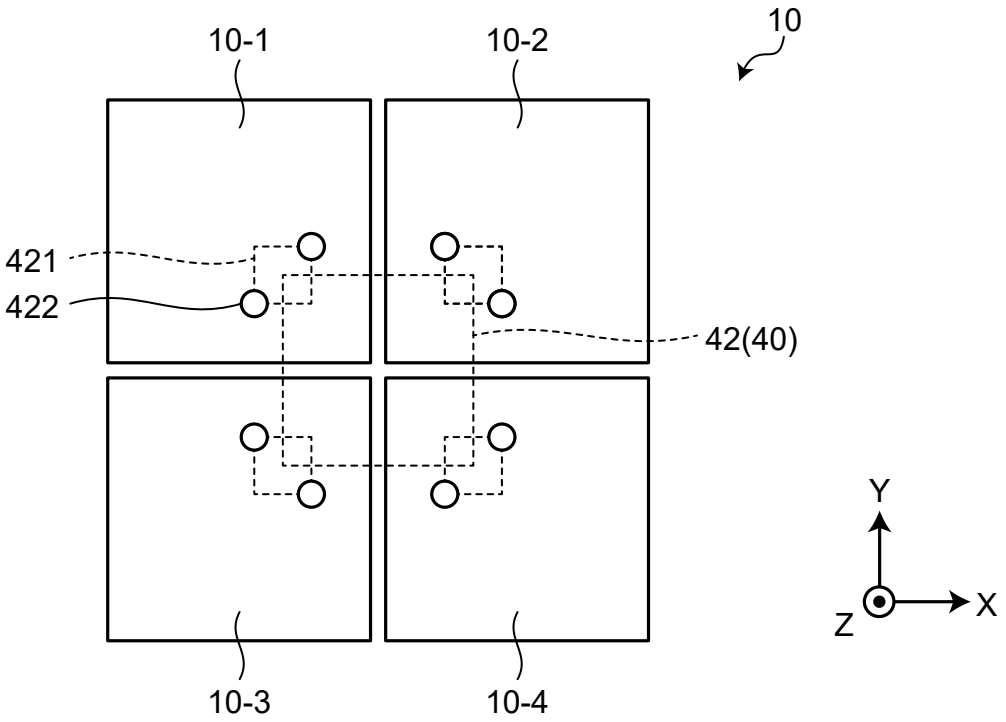


FIG.3

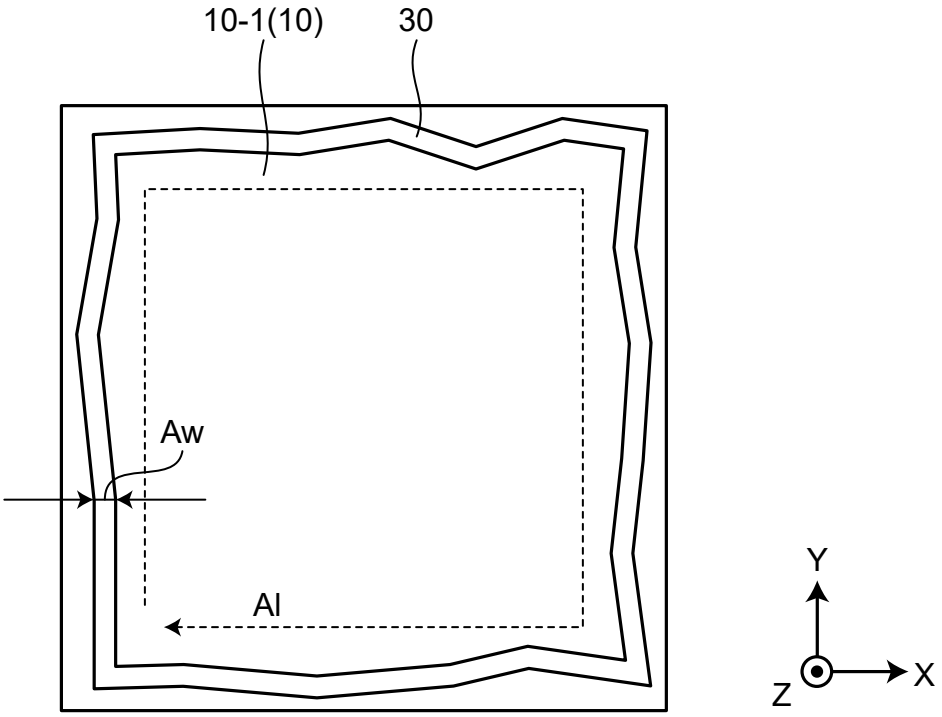


FIG.4

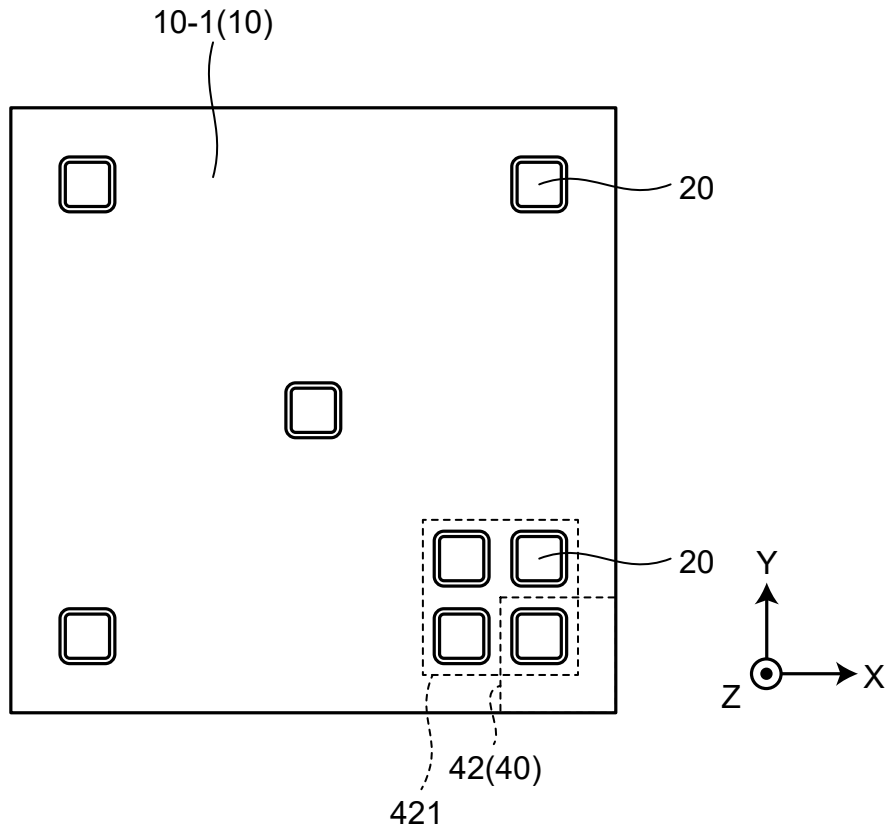


FIG.5

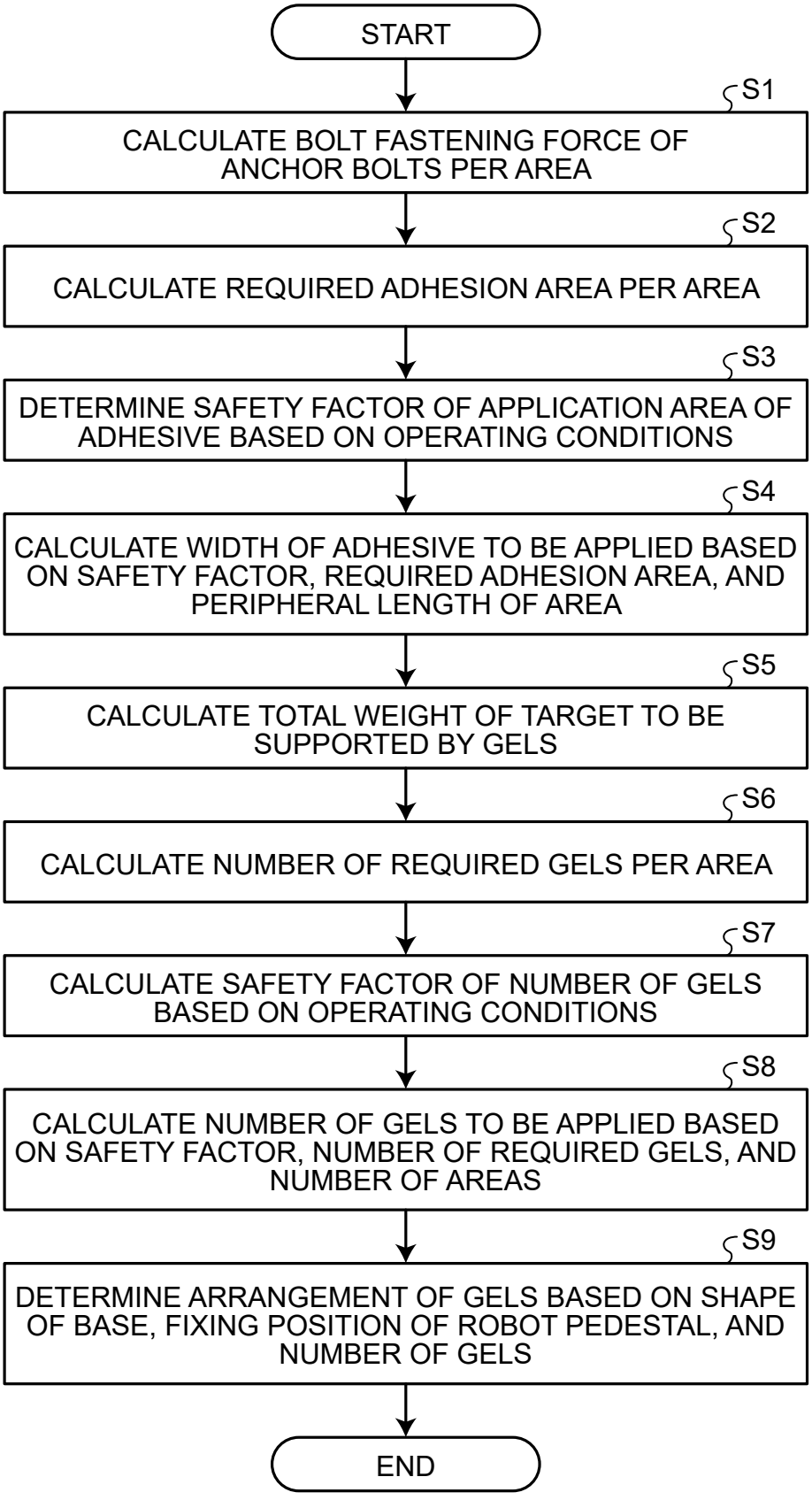

START
S1
CALCULATE BOLT FASTENING FORCE OF ANCHOR BOLTS PER AREA
S2
CALCULATE REQUIRED ADHESION AREA PER AREA
S3
DETERMINE SAFETY FACTOR OF APPLICATION AREA OF ADHESIVE BASED ON OPERATING CONDITIONS
S4
CALCULATE WIDTH OF ADHESIVE TO BE APPLIED BASED ON SAFETY FACTOR, REQUIRED ADHESION AREA, AND PERIPHERAL LENGTH OF AREA
S5
CALCULATE TOTAL WEIGHT OF TARGET TO BE SUPPORTED BY GELS
S6
CALCULATE NUMBER OF REQUIRED GELS PER AREA
S7
CALCULATE SAFETY FACTOR OF NUMBER OF GELS BASED ON OPERATING CONDITIONS
S8
CALCULATE NUMBER OF GELS TO BE APPLIED BASED ON SAFETY FACTOR, NUMBER OF REQUIRED GELS, AND NUMBER OF AREAS
S9
DETERMINE ARRANGEMENT OF GELS BASED ON SHAPE OF BASE, FIXING POSITION OF ROBOT PEDESTAL, AND NUMBER OF GELS
END

FIG.6

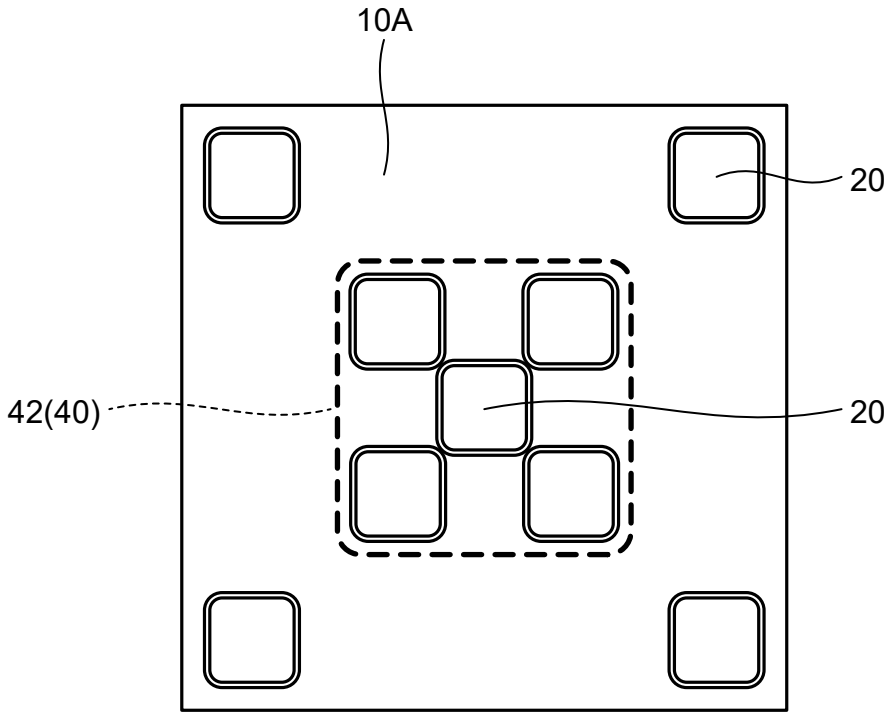


FIG.7

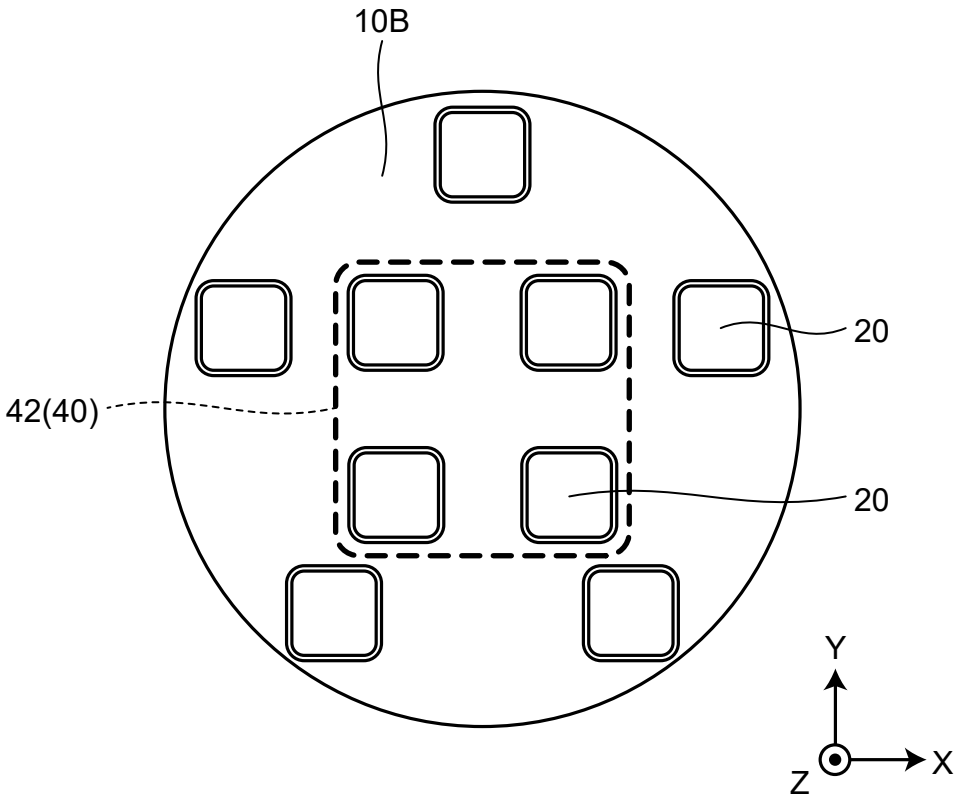
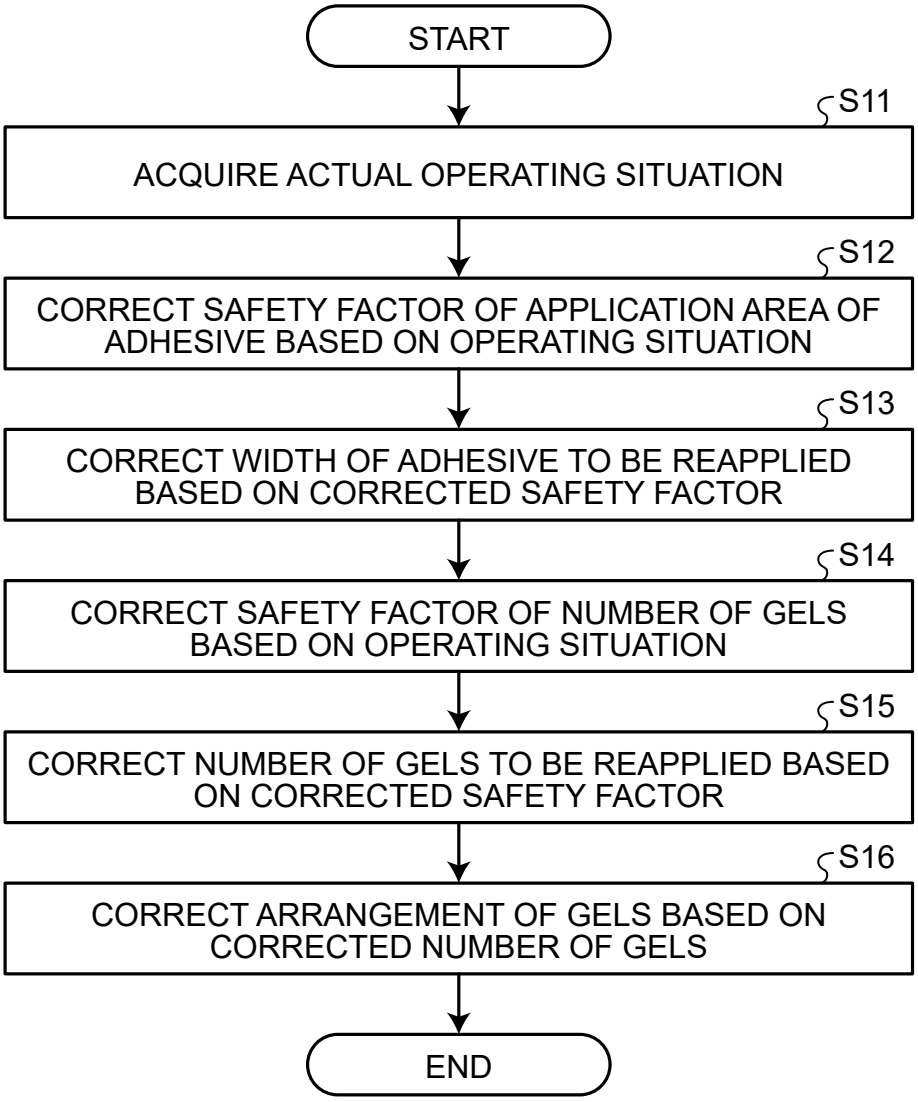


FIG.8


START
S11
ACQUIRE ACTUAL OPERATING SITUATION
S12
CORRECT SAFETY FACTOR OF APPLICATION AREA OF ADHESIVE BASED ON OPERATING SITUATION
S13
CORRECT WIDTH OF ADHESIVE TO BE REAPPLIED BASED ON CORRECTED SAFETY FACTOR
S14
CORRECT SAFETY FACTOR OF NUMBER OF GELS BASED ON OPERATING SITUATION
S15
CORRECT NUMBER OF GELS TO BE REAPPLIED BASED ON CORRECTED SAFETY FACTOR
S16
CORRECT ARRANGEMENT OF GELS BASED ON CORRECTED NUMBER OF GELS
END