



**Solution**  
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- a)  $1/13 = 0.07692307692307692307692307692307$   $27 \Rightarrow 9$
- b) The RB 6 is 076923 with the SDQ  $27 \Rightarrow 9$
- c)  $2/13 = 0.15384615384615384615384615384615$   $27 \Rightarrow 9$
- $3/13 = 0.23076923076923076923076923076923$   $27 \Rightarrow 9$
- $4/13 = 0.3076923076923076923076923076923$   $27 \Rightarrow 9$
- $5/13 = 0.38461538461538461538461538461538$   $27 \Rightarrow 9$
- $6/13 = 0.46153846153846153846153846153846$   $27 \Rightarrow 9$
- $7/13 = 0.53846153846153846153846153846154$   $27 \Rightarrow 9$
- $8/13 = 0.61538461538461538461538461538462$   $27 \Rightarrow 9$
- $9/13 = 0.69230769230769230769230769230769$   $27 \Rightarrow 9$
- $10/13 = 0.7692307692307692307692307692307$   $27 \Rightarrow 9$
- $11/13 = 0.8461538461538461538461538461538$   $27 \Rightarrow 9$
- $12/13 = 0.92307692307692307692307692307692$   $27 \Rightarrow 9$
- $14/13 = 1.0769230769230769230769230769231$   $27 \Rightarrow 9$
- $15/13 = 1.1538461538461538461538461538462$   $27 \Rightarrow 9$
- $16/13 = 1.2307692307692307692307692307692$   $27 \Rightarrow 9$
- All but  $13/13 (= 1)$ , have a RB 2, and  $SDQ(RB) = 9$
- d) The inverses of 7, 11, and 13 all have an  $SDQ(RB) = 9$ .