

$$\begin{array}{ccccccccc} 300 & 29 & 19 & 9 & 8 & 1 & & & 1 \\ \hline 5069 & \xrightarrow{\quad} & 490 & \xrightarrow{\quad} & 321 & \xrightarrow{\quad} & 152 & \xrightarrow{\quad} & \dots \xrightarrow{\quad} 16 & \xrightarrow{\quad} & \dots \xrightarrow{\quad} & 1 \\ & \searrow \\ & \Delta a = 271 & \Delta a = 10 = \langle 271 \rangle_{29} & & & & \Delta a = 1 = \langle 10 \rangle_9 & & & \Delta a = 0 = \langle 1 \rangle_1 & & & \\ & \Delta b = 4579 & \Delta b = 169 = \langle 4579 \rangle_{490} & & & & \Delta b = 17 = \langle 17 \rangle_{152} & & & \Delta b = 1 = \langle 17 \rangle_{16} & & & \end{array}$$

1 iteration

2 iterations

8 iterations