

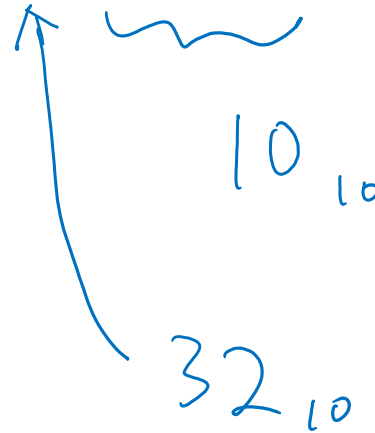
**Give the decimal value of this signed
number represented in 2's
complement: 0101010**

A. +38

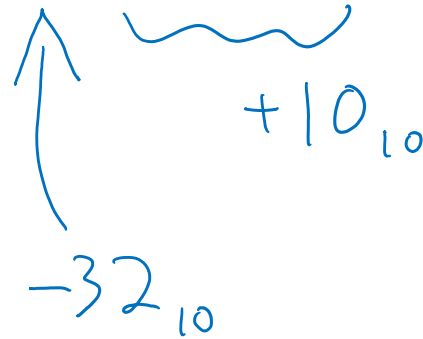
B. +40

✓ C. +42

D. +44



**Give the decimal value of this signed
number represented in 2's
complement: 101010**



✓ A. -22

B. -24

C. -26

D. -28

What is the total number of FAs needed for 3-digit BCD addition (including possible correction)?

 **A. 24**

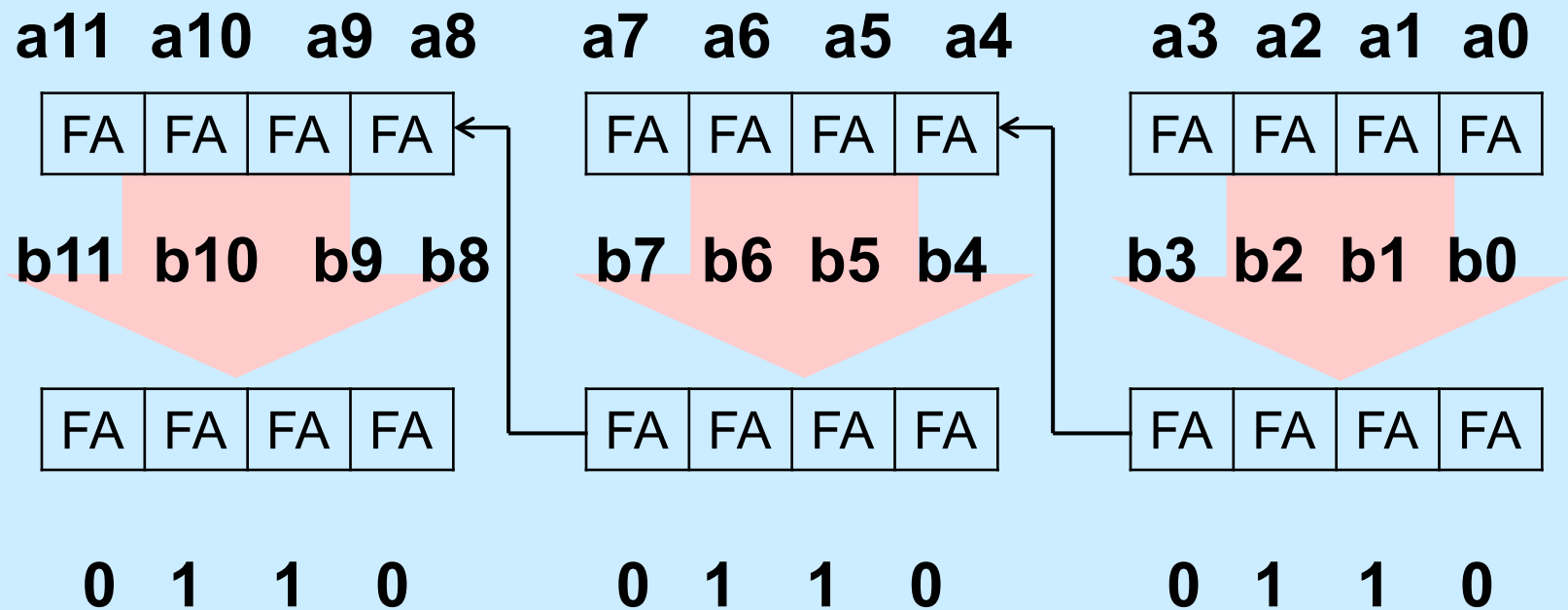
B. 21

C. 18

D. 15

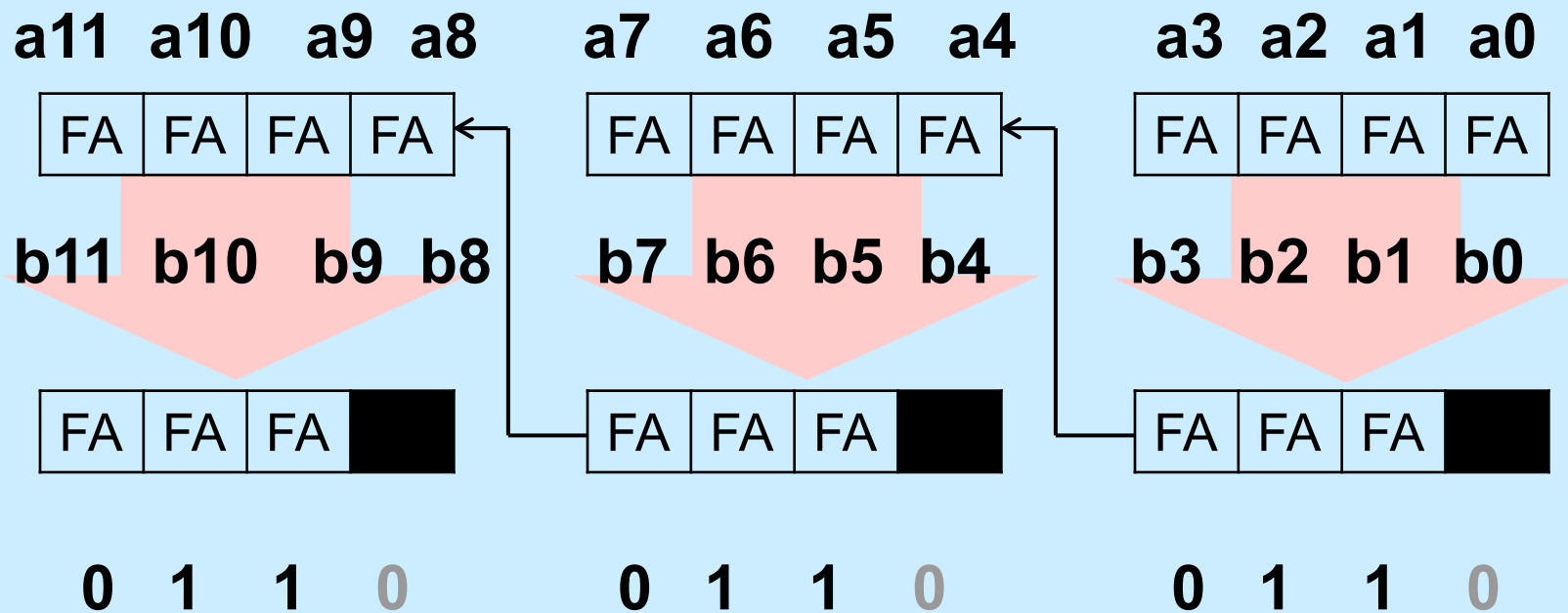
Total number of FAs needed?

➤ in 3-digit BCD addition



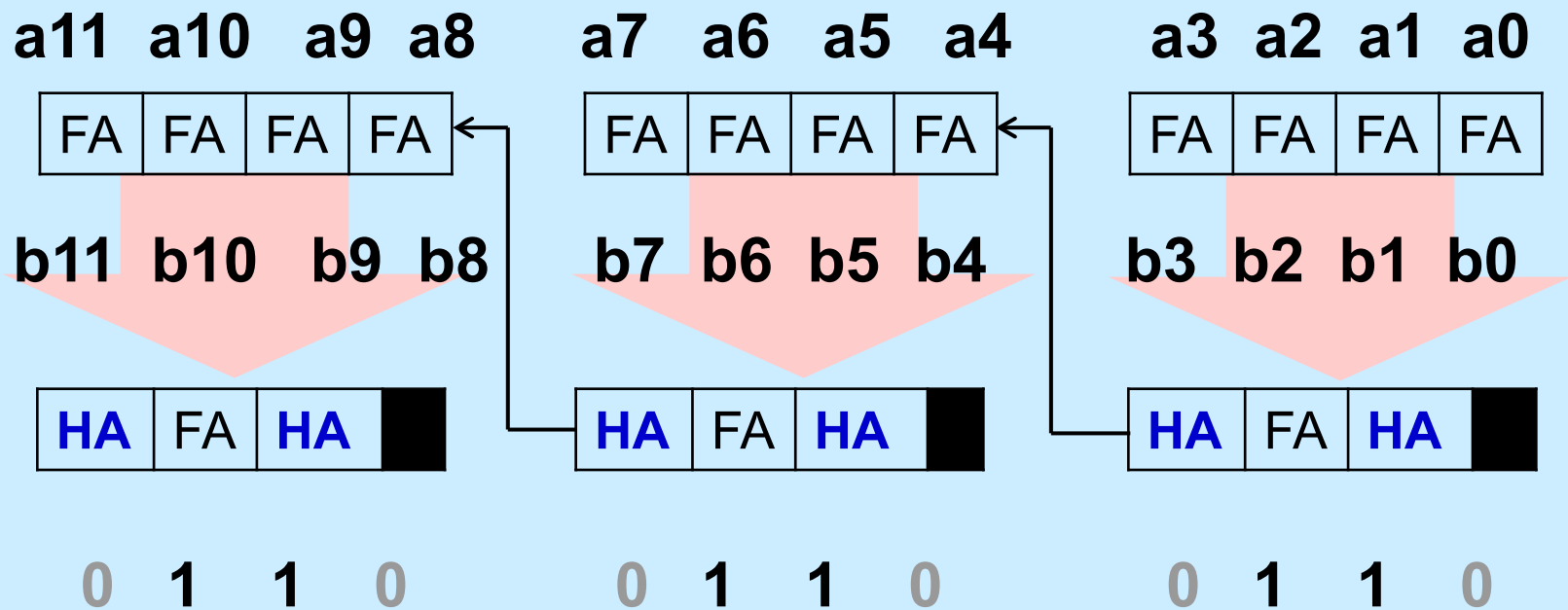
24

Number of FAs can be reduced



21

6 FAs replaced by HAs



15xFAs + 6xHAs