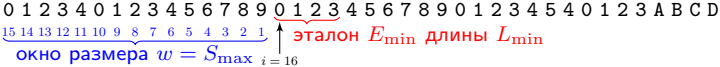
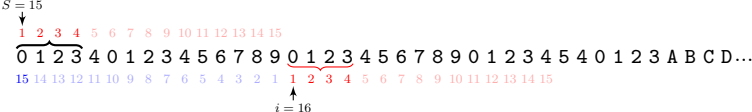


Diagram illustrating the construction of $A_1(C)$ from C using a sliding window of size $p=6$. The sequence C is shown as a sequence of digits and letters. The sequence $A_1(C)$ is shown below it, with segments of the output sequence highlighted in green, red, and blue, corresponding to the current window and its output. Green lines connect the window boundaries in C to the corresponding output in $A_1(C)$.

$$C = \underbrace{0\ 1\ 2\ 3\ 4\ 0\ 1\ 2\ 3\ 4\ 5\ 6\ 7\ 8\ 9\ 0\ 1\ 2\ 3\ 4\ 5\ 4\ 0\ 1\ 2\ 3\ A\ B\ C\ D\ E\ F\ F\ F\ F\ F\ F\ F\ 1\ 2\ 3\ A\ B\ C\ D\ E\ 4\ 5\ 6\ 7\ 8\ 9\ A\ B}_{\left(0^3, 1^4, 2^4, 3^4, 4^4, 5^3, 6^2, 7^2, 8^2, 9^2, A^3, B^3, C^2, D^2, E^2, F^7\right)}$$





$$\begin{array}{r} S = 15 \\ \downarrow \\ \begin{array}{rr} 1 & 2 \\ \hline 0 & 1 \\ 15 & 14 \end{array} \end{array}$$



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



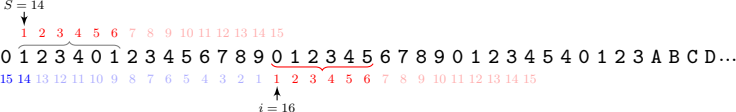
0 1 2 3 4 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 4 0 1 2 3 A B C D...

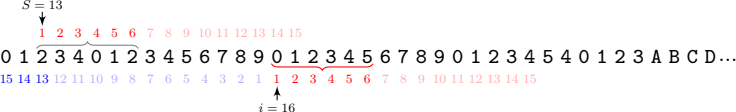


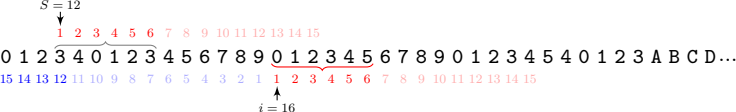
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

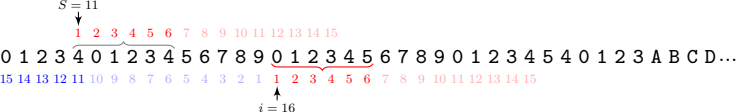


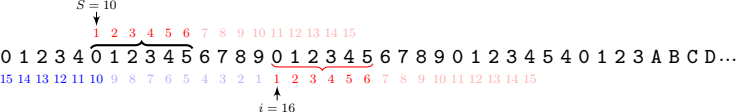
$i = 16$

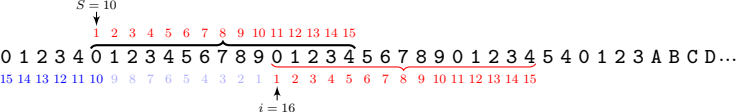




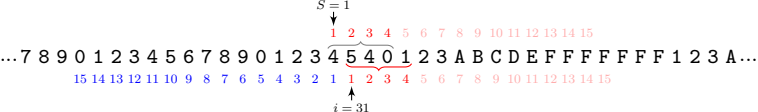


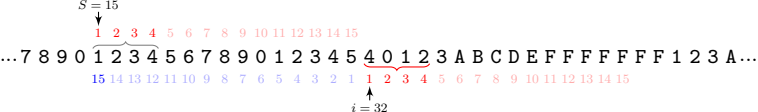










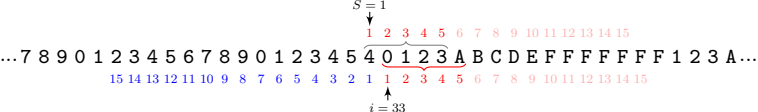














$s = 15$



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

... 5 6 7 8 9 0 1 2 3 4 5 4 0 1 2 3 A B C D E F F F F F F F 1 2 3 A B C D E 4 5 6 7 ...

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



$i = 43$









