

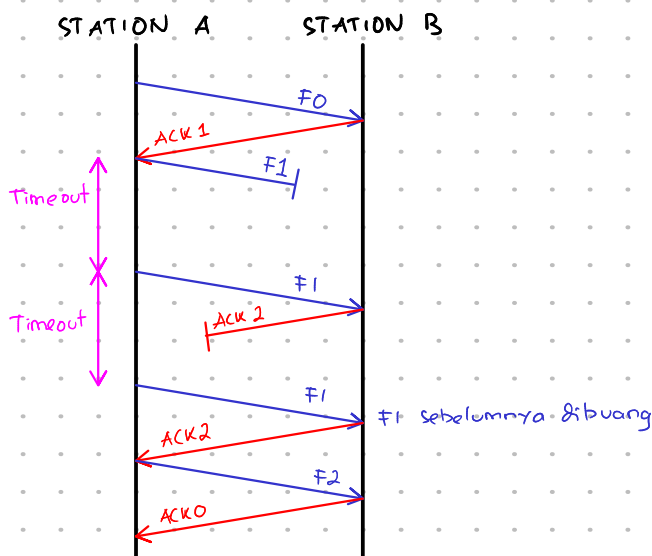
- $$\begin{array}{r}
 x^3 + x^2 + 1 \\
 \hline
 \cancel{x^{10}} + \cancel{x^7} + \cancel{x^6} + x^5 + x^4 + \cancel{x^3} + 1 \\
 \hline
 \cancel{x^9} + \cancel{x^6} + \cancel{x^4} + \textcircled{+} \\
 \hline
 \cancel{x^8} + \cancel{x^8} + \cancel{x^6} + \textcircled{+} \\
 \hline
 \cancel{x^8} + \cancel{x^7} + \cancel{x^7} + x^5 + \textcircled{+} \\
 \hline
 \cancel{x^2} + \cancel{x^5} + \cancel{x^4} + \textcircled{+} \\
 \hline
 \cancel{x^3} + \cancel{x^6} + \cancel{x^4} + \textcircled{+} \\
 \hline
 \cancel{x^6} + \cancel{x^5} + \cancel{x^6} + \cancel{x^3} + \textcircled{+} \\
 \hline
 \cancel{x^3} + \cancel{x^2} + 1 \\
 \hline
 \textcircled{x^2} +
 \end{array}$$

$$x^{10} + x^7 + x^6 + x^4 + x^2 + 1$$

-
- Handwritten binary addition of 10101010 and 00100100. The calculation is shown in two parts, each with a circled '1' indicating a carry. The first part shows the addition of the first four bits, resulting in a carry of 1. The second part shows the addition of the remaining bits, also resulting in a carry of 1. The final result is 11001110.
- | | | | | | | | |
|-------|---|---|---|---|---|---|---|
| 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| + | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| <hr/> | | | | | | | |
| 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| <hr/> | | | | | | | |
| 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| <hr/> | | | | | | | |
| 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| <hr/> | | | | | | | |
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| <hr/> | | | | | | | |
| 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| <hr/> | | | | | | | |
| 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| <hr/> | | | | | | | |
| 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 |

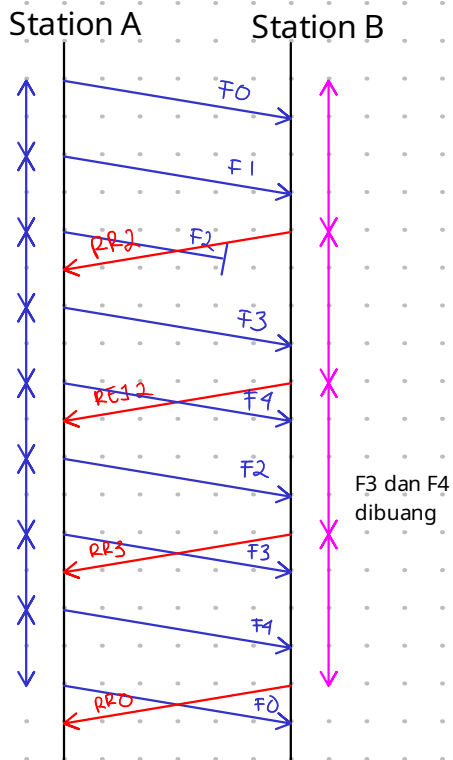
10011001 11100010 00100100 10000100 11011010

- Terjadi lost saat pengiriman frame 1.
- Terjadi lost saat pengiriman acknowledgement 2.



4. [25 Poin] Dilakukan pertukaran informasi dari station A ke station B berupa pengiriman 5 frame secara berurutan (frame 0, frame 1, frame 2, frame 3 dan frame 4). Jika terjadi lost saat pengiriman frame 2, ilustrasikan pertukaran informasi yang terjadi dengan asumsi
- Error control yang digunakan adalah go-back-N ARQ.
 - Error control yang digunakan adalah Selective-reject ARQ.

go-back-N ARQ



Selective-reject ARQ

