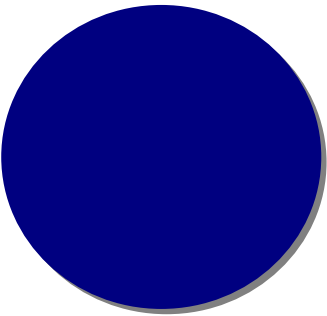




(lap winding)

- 가
- $\pm$ $\frac{1}{4}$
- 가

(wave winding)

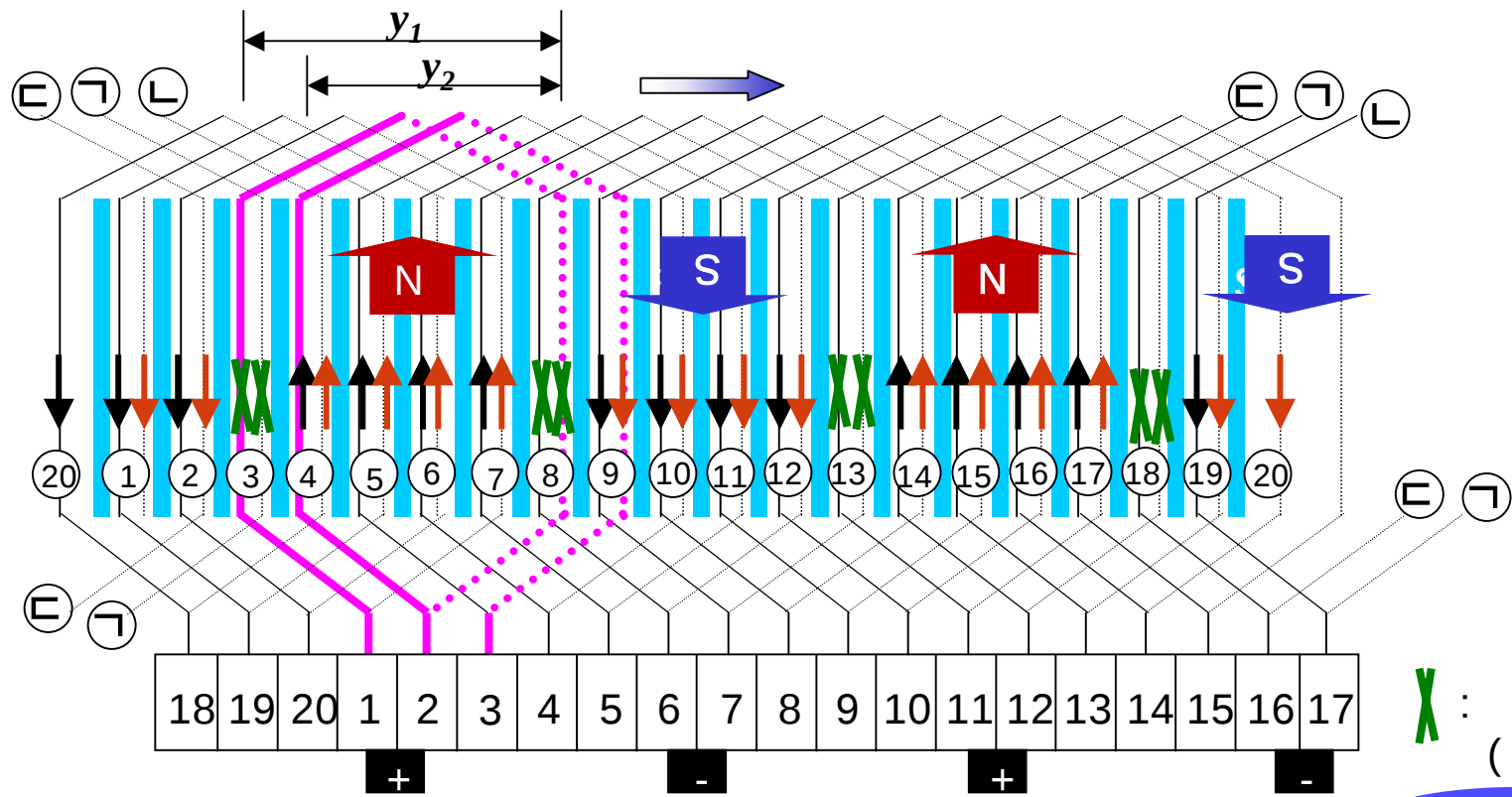
- 2 $\frac{1}{2}$
- P/2
- 2

		2
		2

(lap winding)

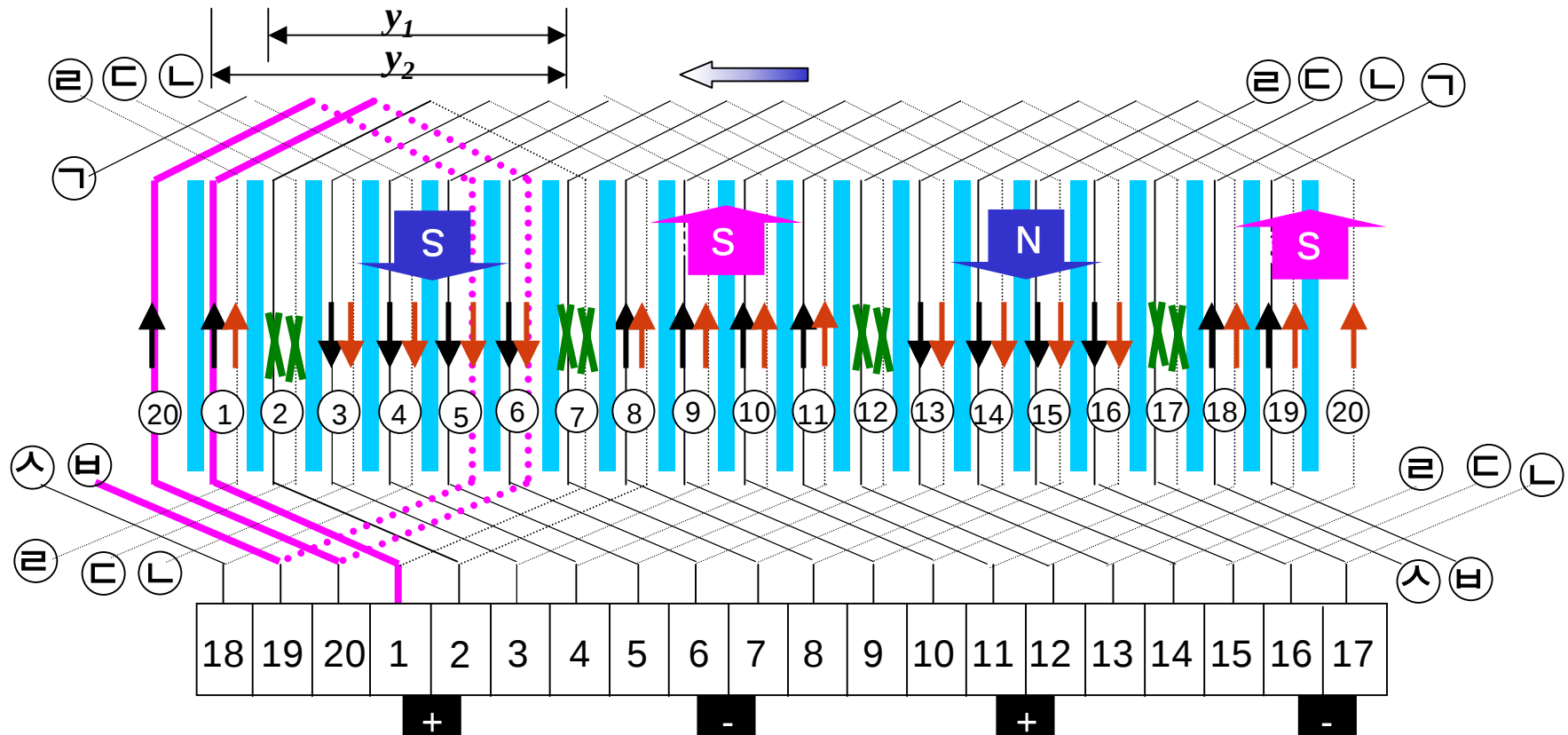
1. (porgessive winding)

- (back pitch, y_1) > (front pitch, y_2)
- Retrogressive winding
- retrogressive winding



2. Retrogressive winding

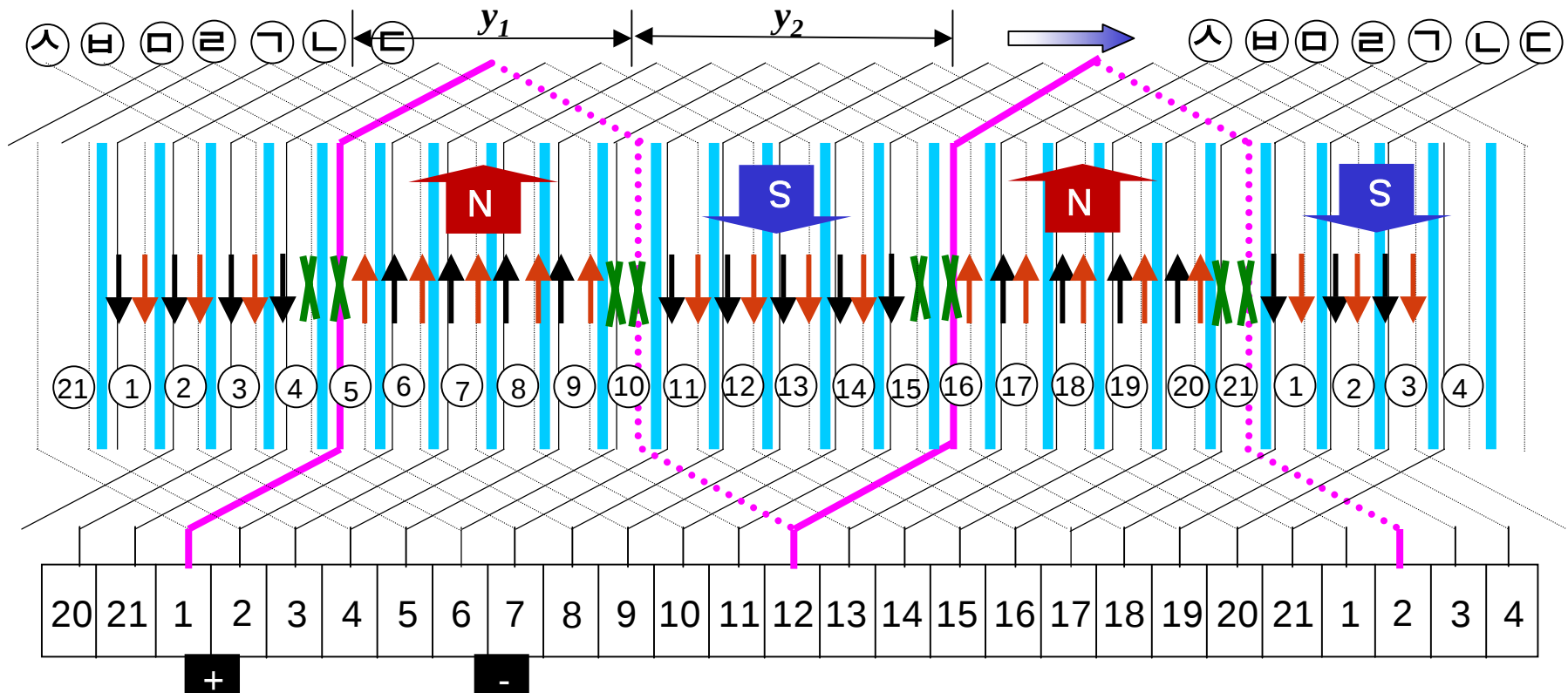
- (back pitch, y_1) < (front pitch, y_2)
- (1 20) (progressive winding)
- 가 1 가
- 가



(wave winding)

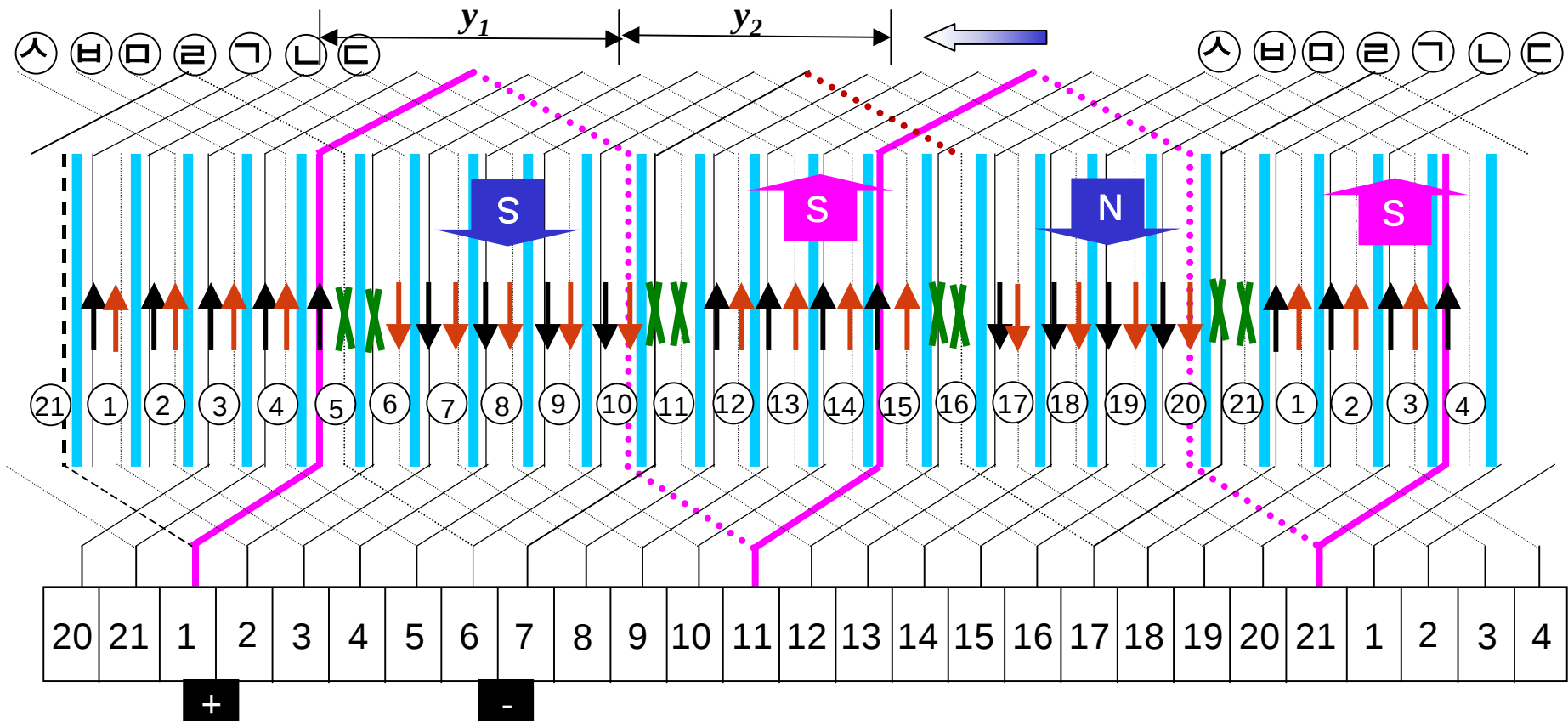
1. Progressive winding

- (back pitch, y_1) = (front pitch, y_2) .
- Retrogressive winding
가 retrogressive winding .

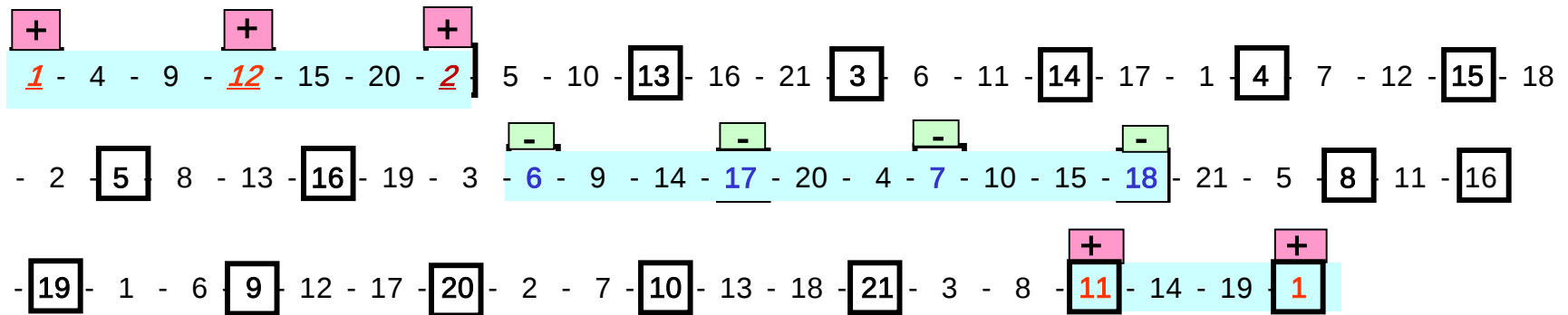
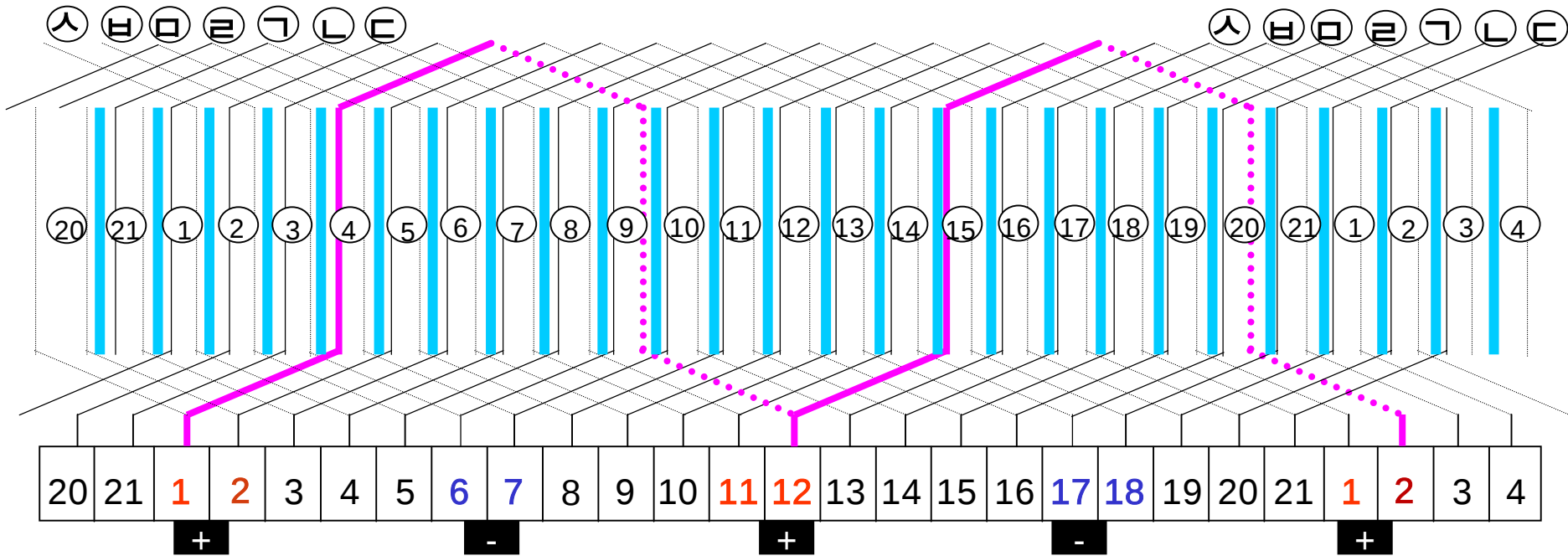


2. (retrogressive winding)

- (back pitch, y_1) > (front pitch, y_2) . (1 12 2
가 가



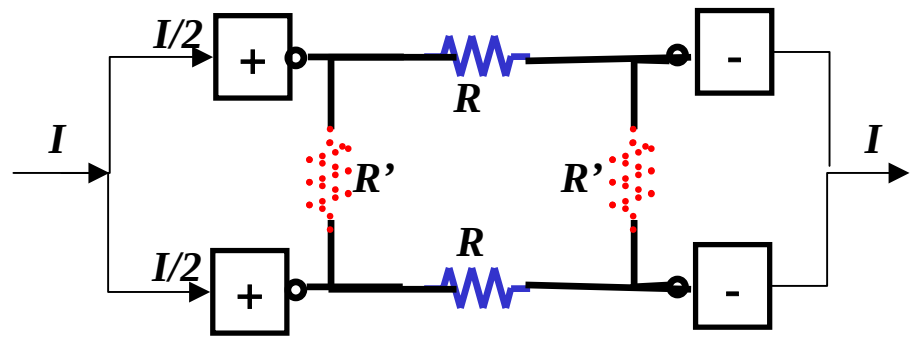
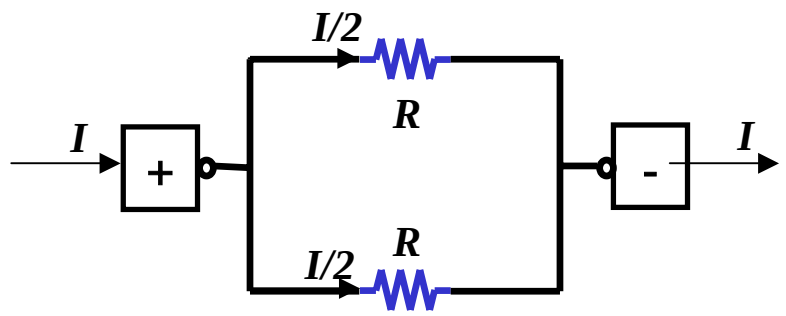
3. () 가 4



: 가

:

- 가 2 4



R':

가 : 1. (Retrogressive winding)
1.
2. 2
3.

- 가
- 4 가 2 가
- 가