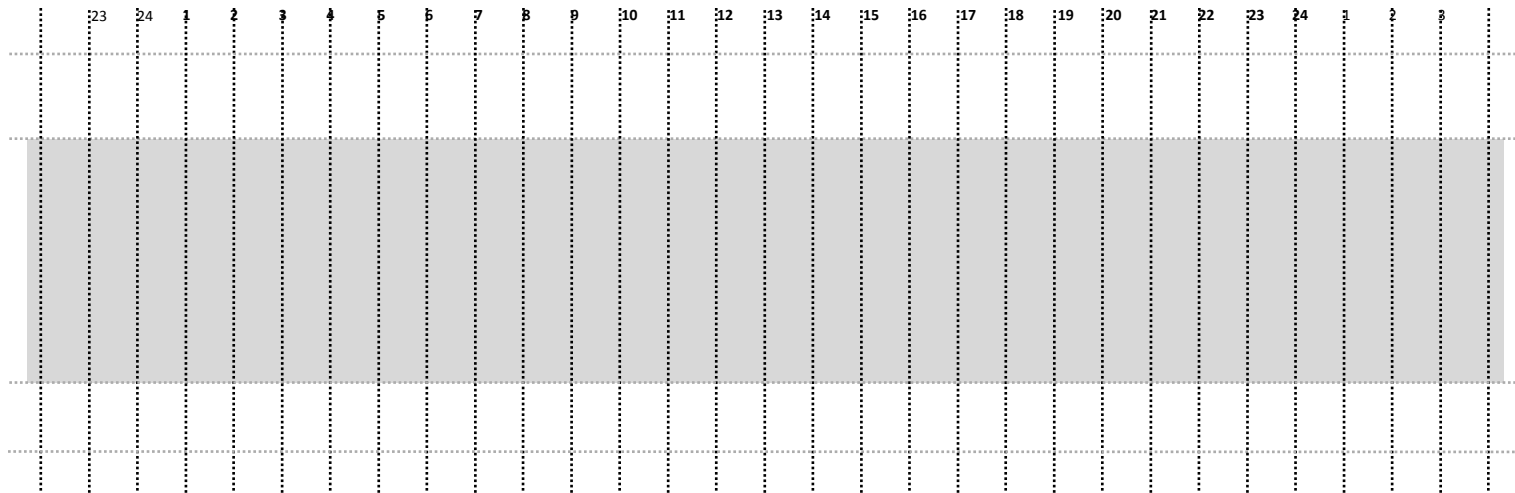


Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar $\tau_p = 12$ ranh \rightarrow Passo encurtado $\tau_e = 8$ ranh (1:9)
Ranhuras / polo / fase $q = 4$
Grupos de bobinas $k = 6$



Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar

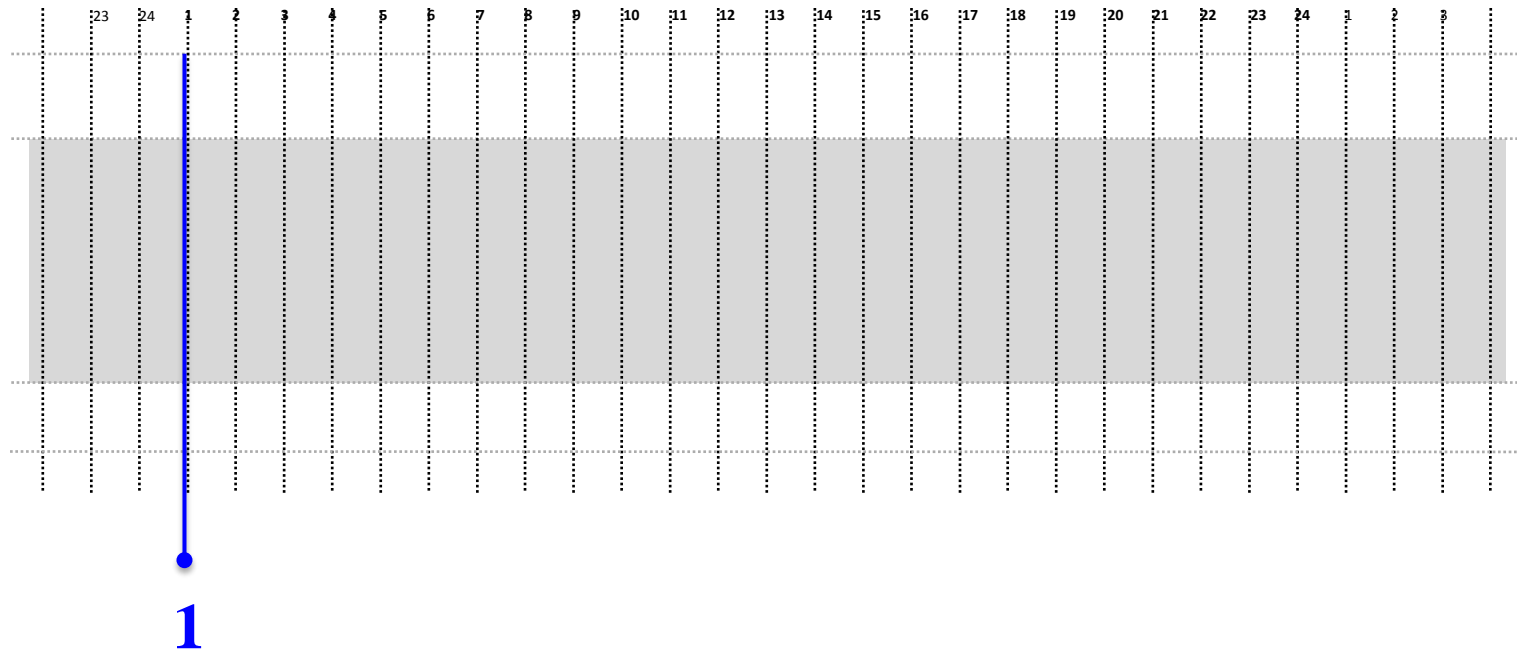
$\tau_p = 12$ ranh \rightarrow Passo encurtado $\tau_e = 8$ ranh (1:9)

Ranhuras / polo / fase

$q = 4$

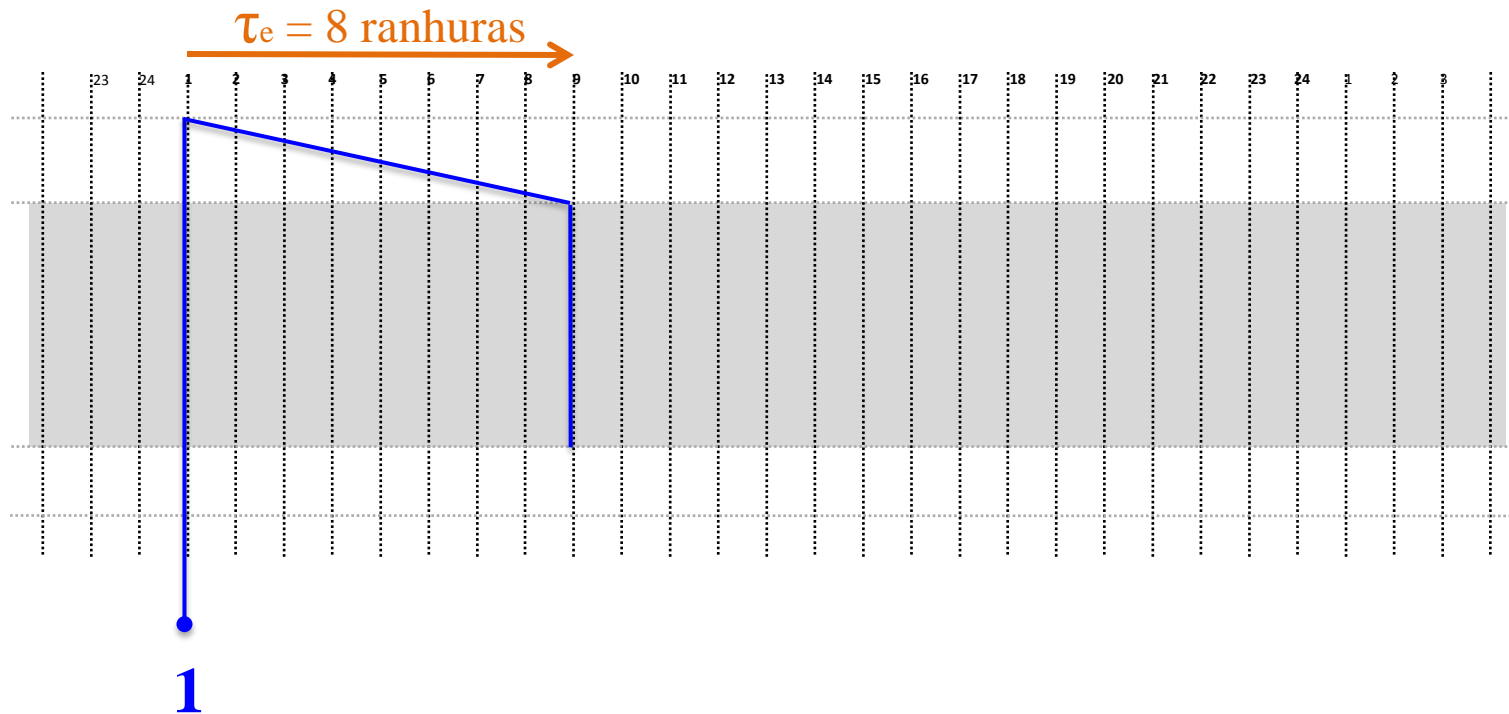
Grupos de bobinas

$k = 6$



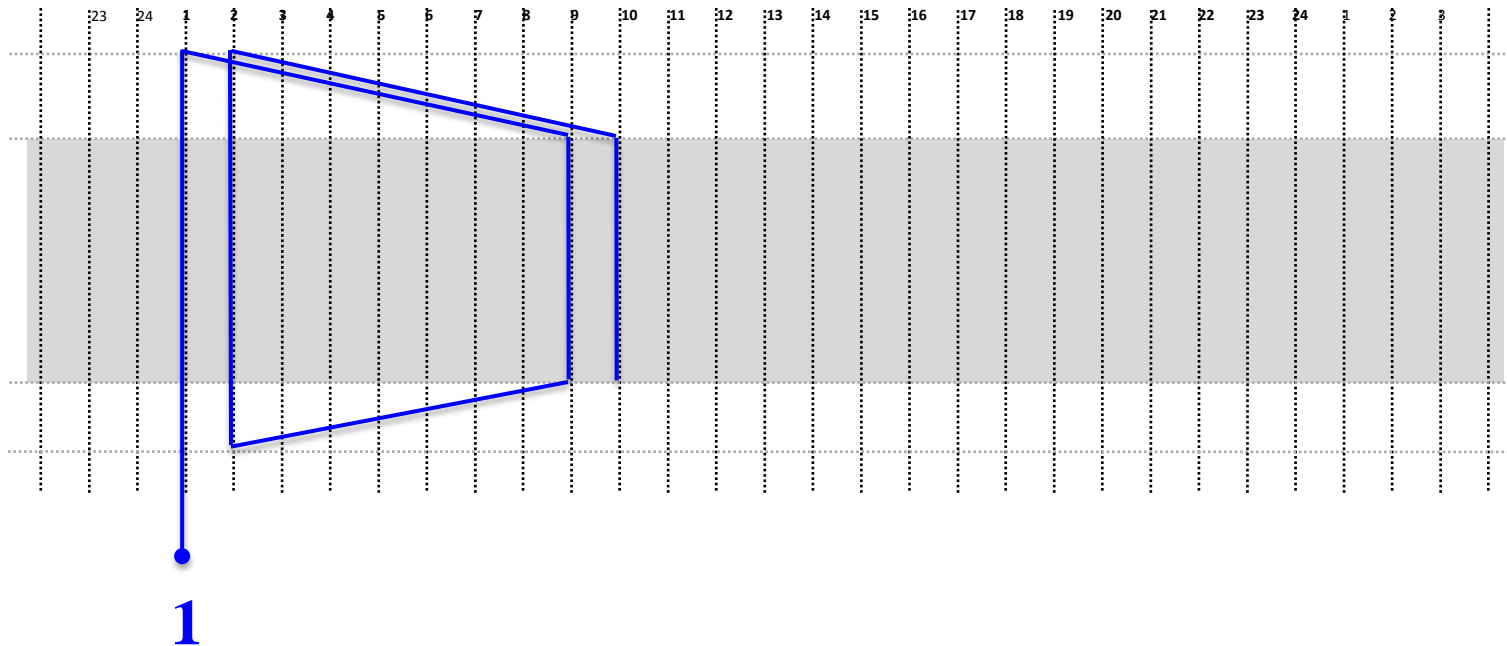
Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar $\tau_p = 12$ ranh \rightarrow Passo encurtado $\tau_e = 8$ ranh (1:9)
Ranhuras / polo / fase $q = 4$
Grupos de bobinas $k = 6$



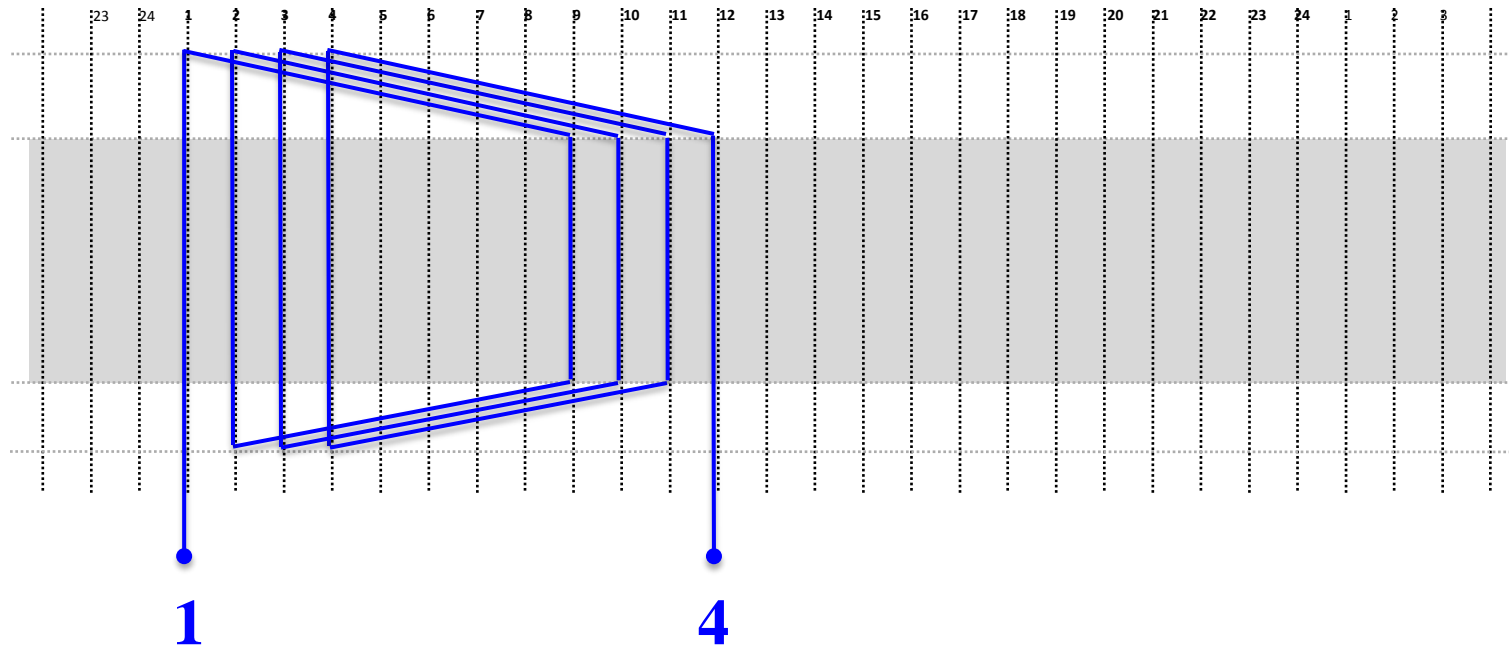
Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar $\tau_p = 12$ ranh \rightarrow Passo encurtado $\tau_e = 8$ ranh (1:9)
Ranhuras / polo / fase $q = 4$
Grupos de bobinas $k = 6$



Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar $\tau_p = 12$ ranh \rightarrow Passo encurtado $\tau_e = 8$ ranh (1:9)
Ranhuras / polo / fase $q = 4$
Grupos de bobinas $k = 6$

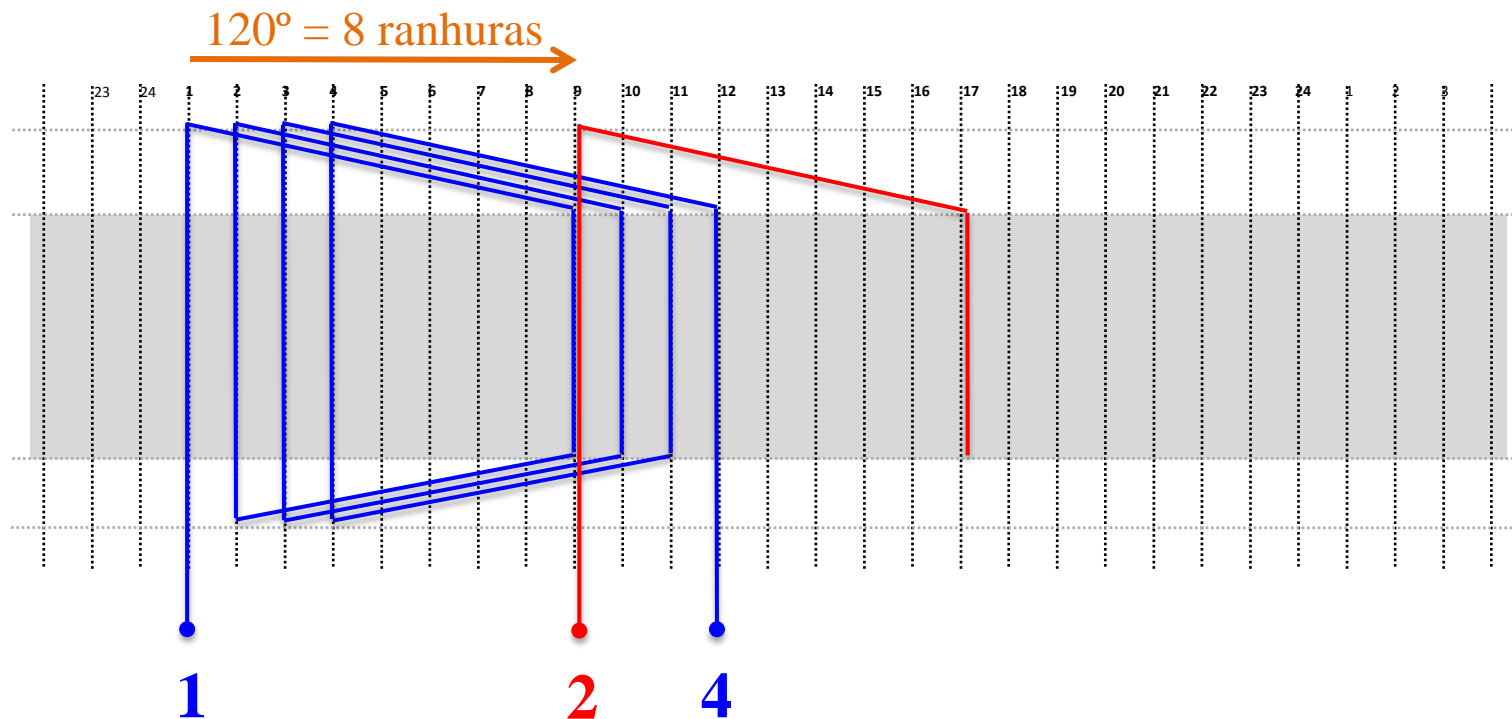


Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar
1 ranhura
8 ranhuras

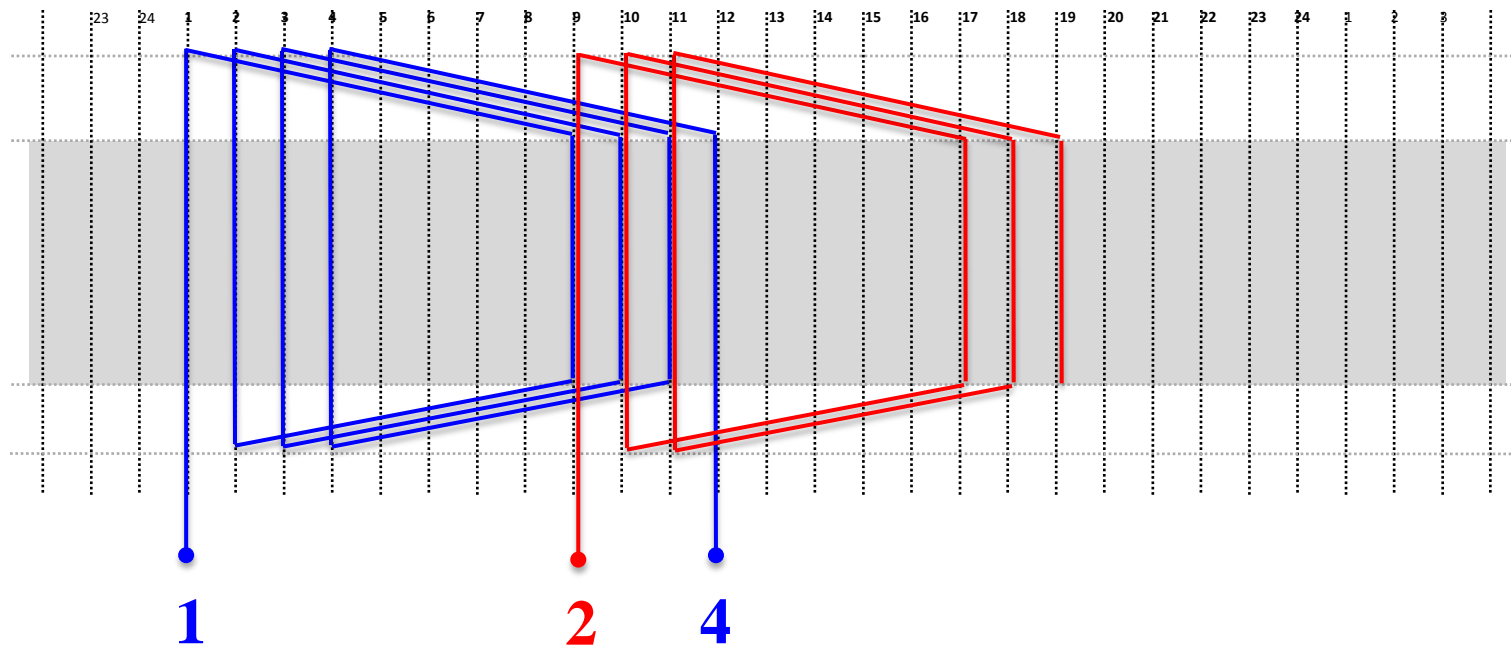
$\tau_p = 12$ ranhuras
15° el.
120° el.

Objetivo: lançar fase
vermelha a 120° elétricos



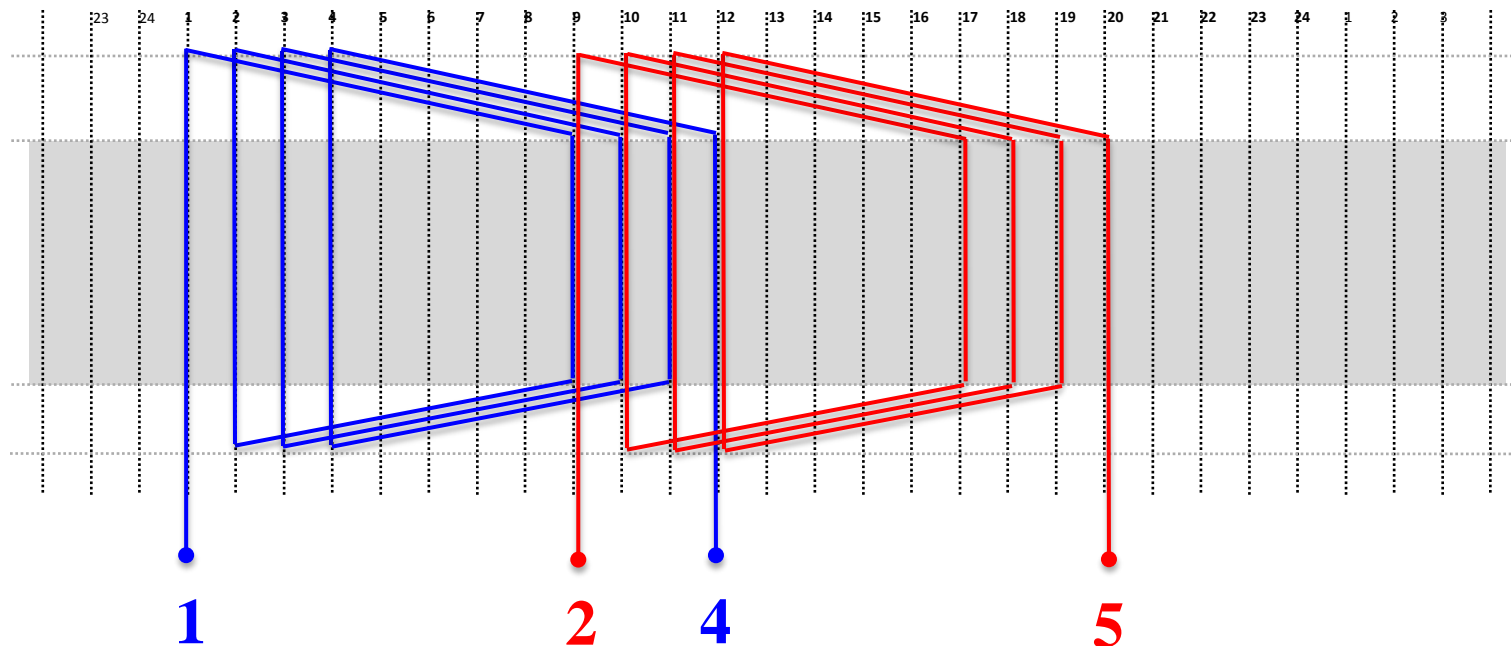
Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar $\tau_p = 12$ ranh \rightarrow Passo encurtado $\tau_e = 8$ ranh (1:9)
Ranhuras / polo / fase $q = 4$
Grupos de bobinas $k = 6$



Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar $\tau_p = 12$ ranh \rightarrow Passo encurtado $\tau_e = 8$ ranh (1:9)
Ranhuras / polo / fase $q = 4$
Grupos de bobinas $k = 6$

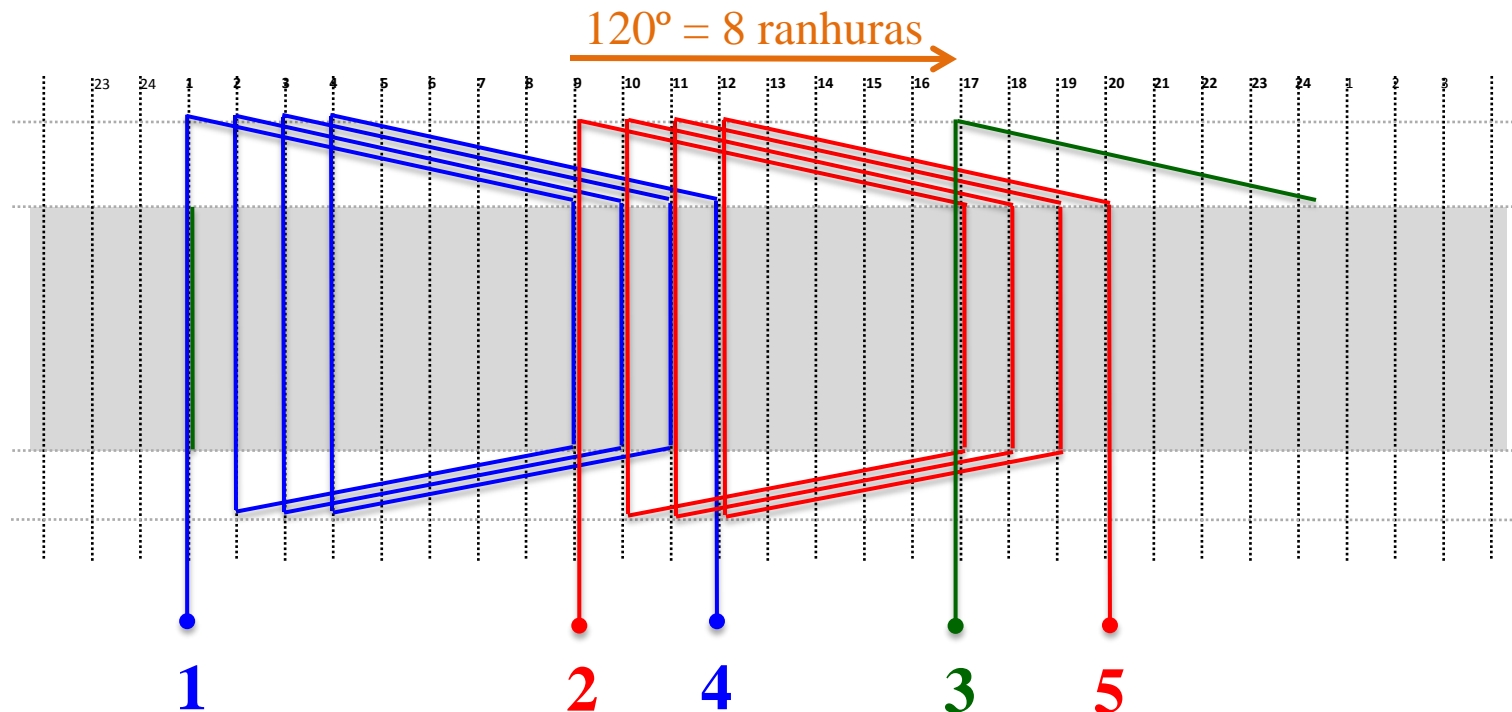


Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar
1 ranhura
8 ranhuras

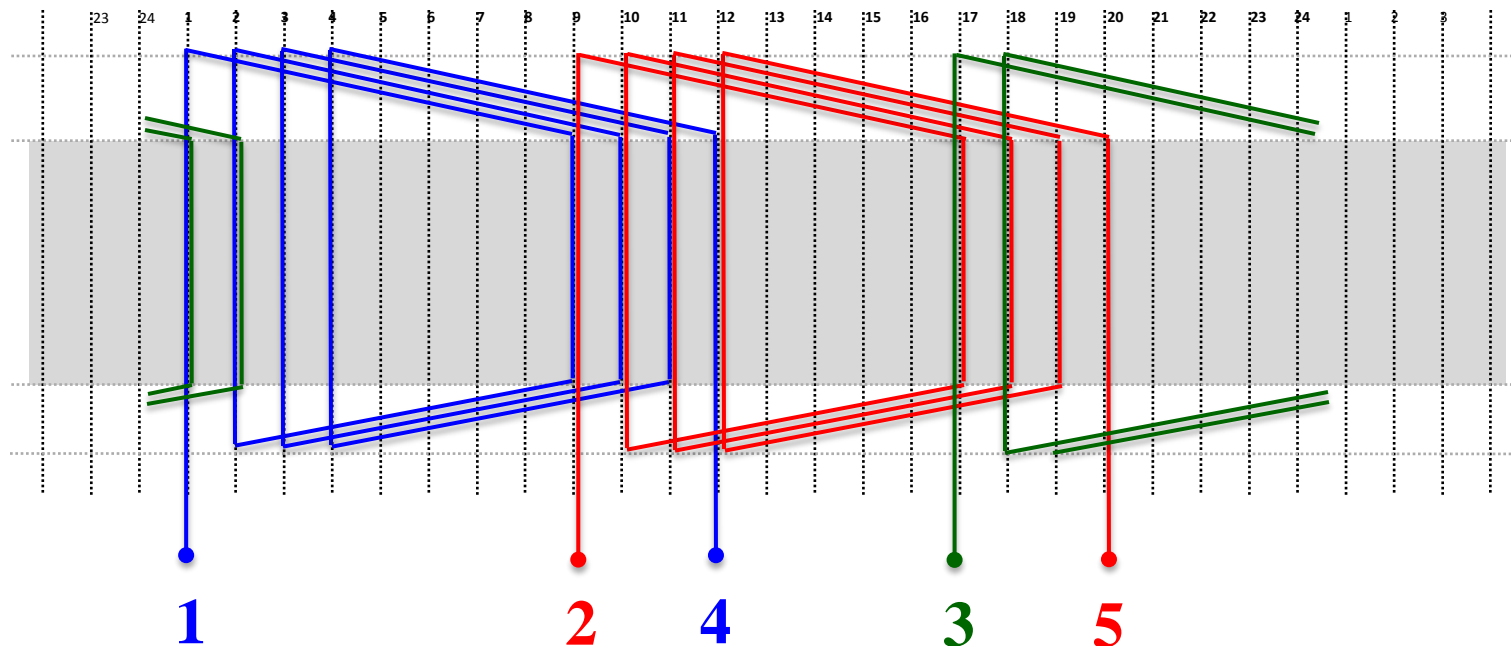
$\tau_p = 12$ ranhuras
15° el.
120° el.

Objetivo: lançar fase verde a 120° elétricos



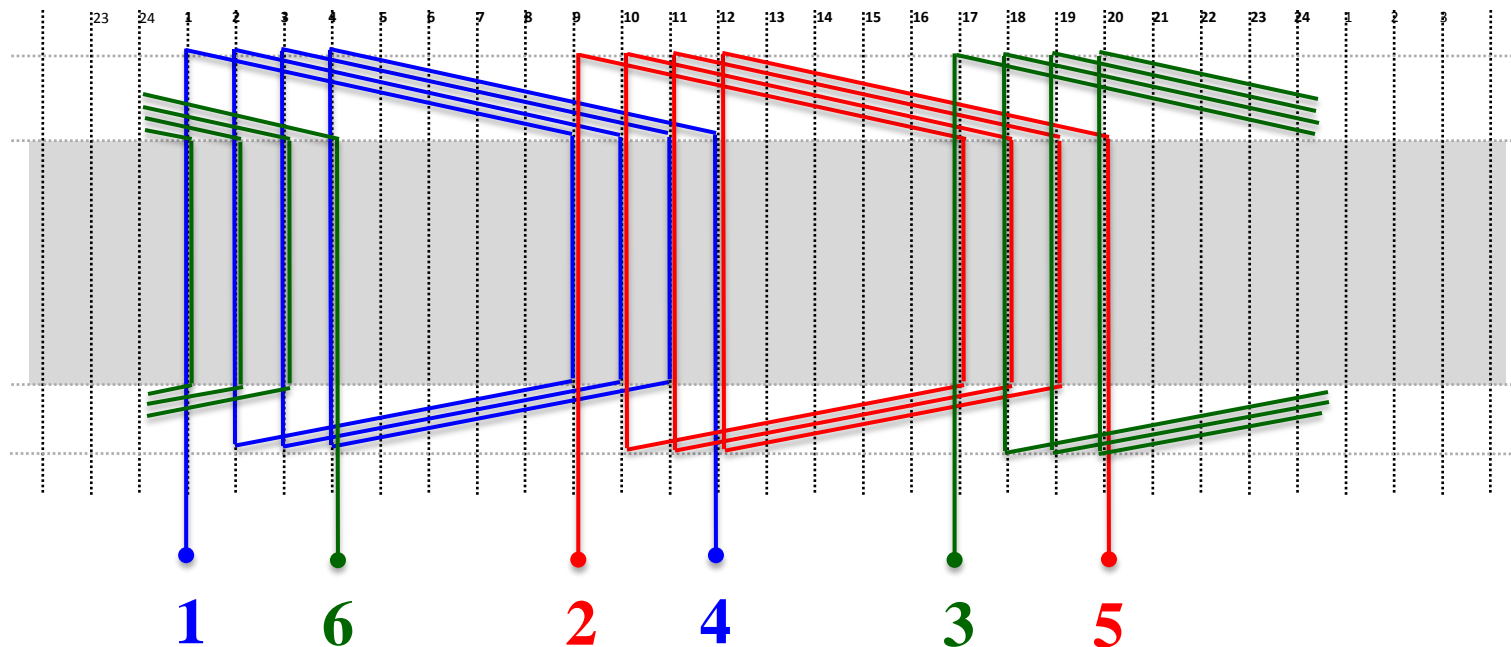
Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar $\tau_p = 12$ ranh \rightarrow Passo encurtado $\tau_e = 8$ ranh (1:9)
Ranhuras / polo / fase $q = 4$
Grupos de bobinas $k = 6$



Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar $\tau_p = 12$ ranh \rightarrow Passo encurtado $\tau_e = 8$ ranh (1:9)
Ranhuras / polo / fase $q = 4$
Grupos de bobinas $k = 6$

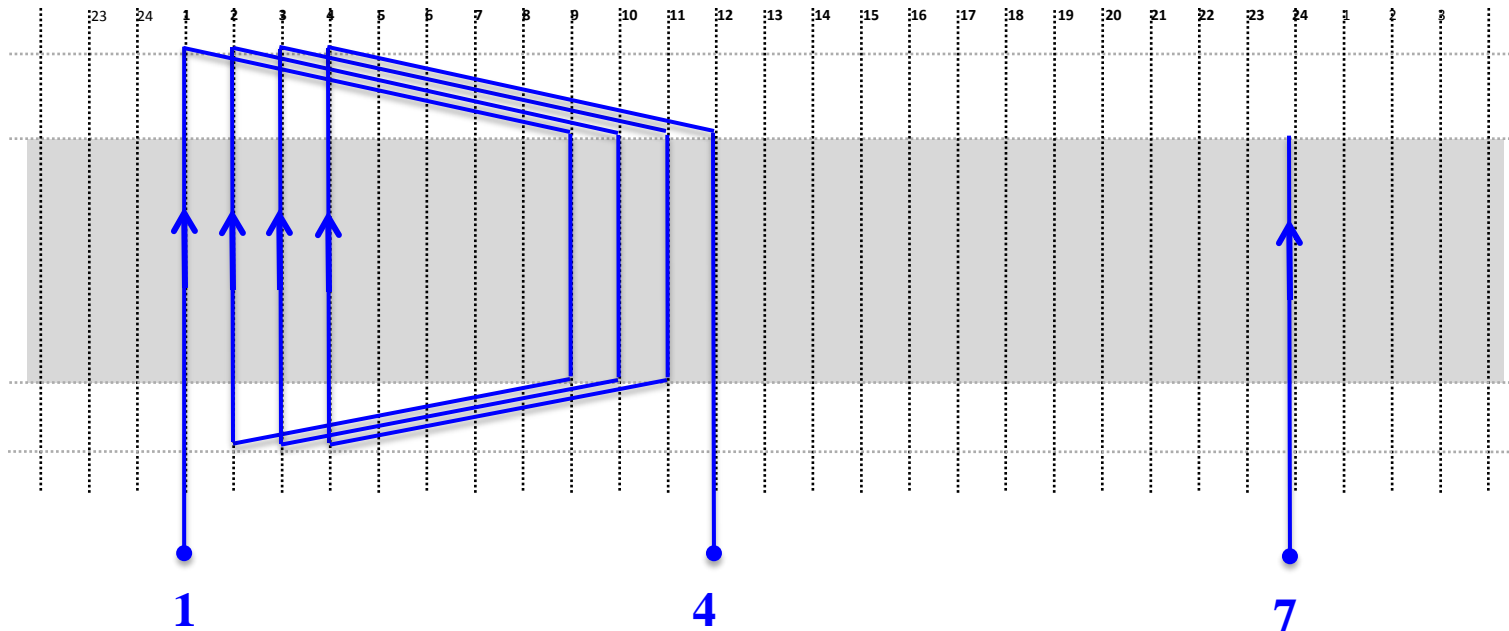


Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar
1 ranhura
24 ranhuras

$\tau_p = 12$ ranhuras
15° el.
360° el.

Objetivo: formar 2 POLOS
1 e 7 são inícios das bobinas

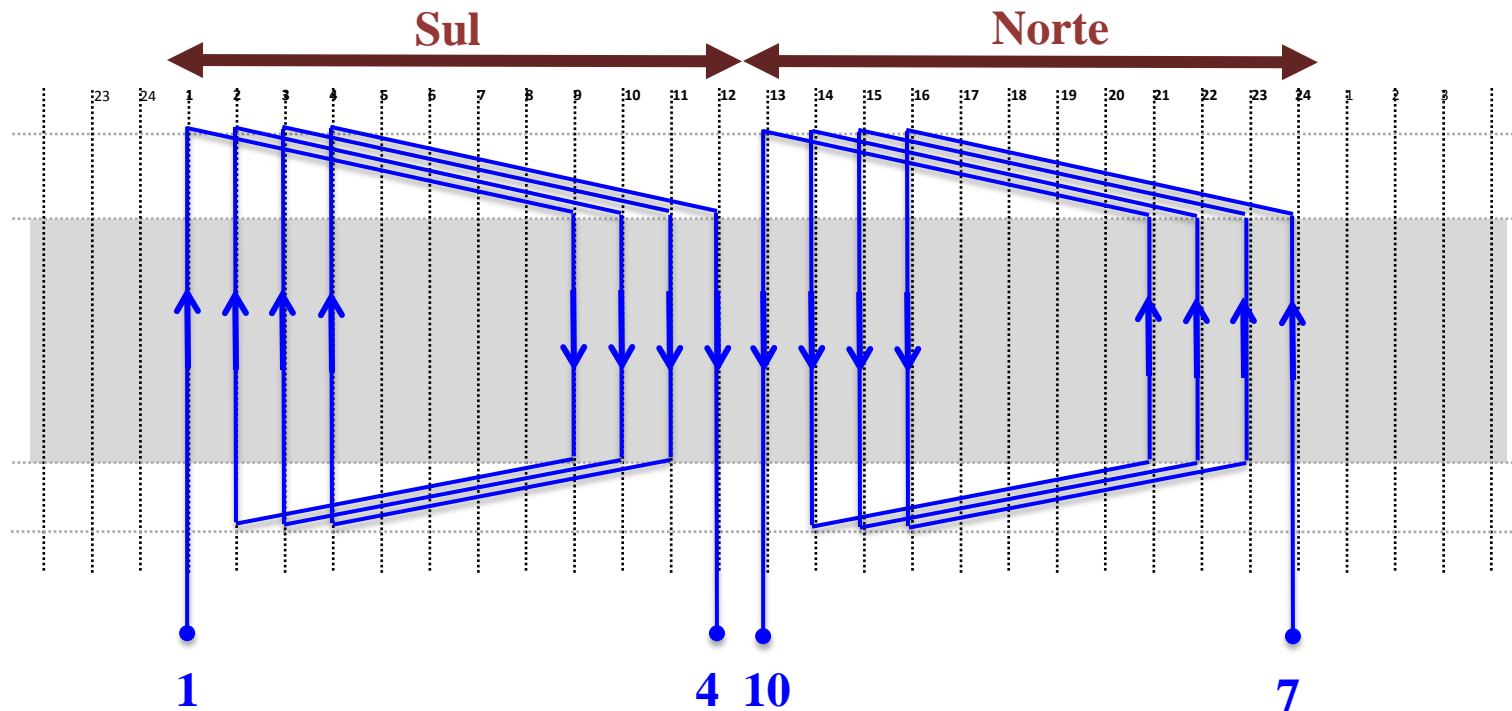


Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar
1 ranhura
24 ranhuras

$\tau_p = 12$ ranhuras
15° el.
360° el.

Objetivo: formar 2 POLOS
1 e 7 são inícios de bobinas

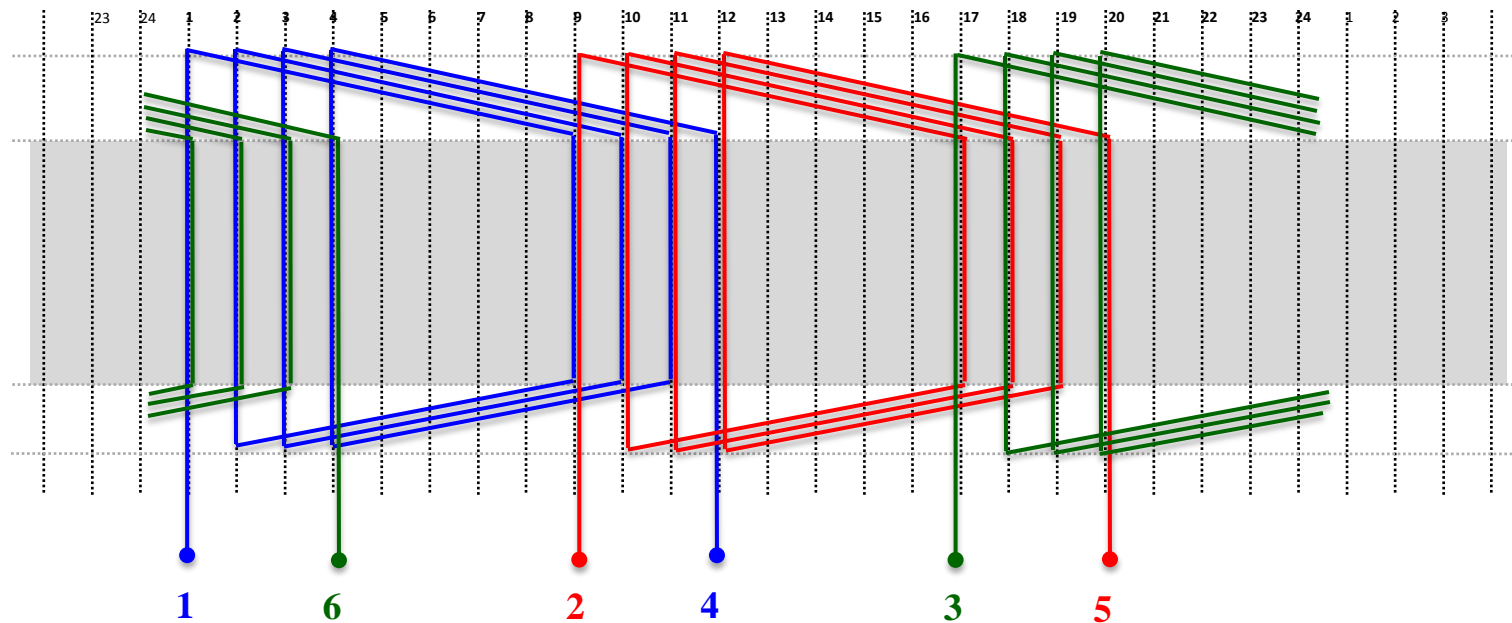


Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar
1 ranhura
24 ranhuras

$\tau_p = 12$ ranhuras
15° el.
360° el.

Incluir segundo grupo – fase azul

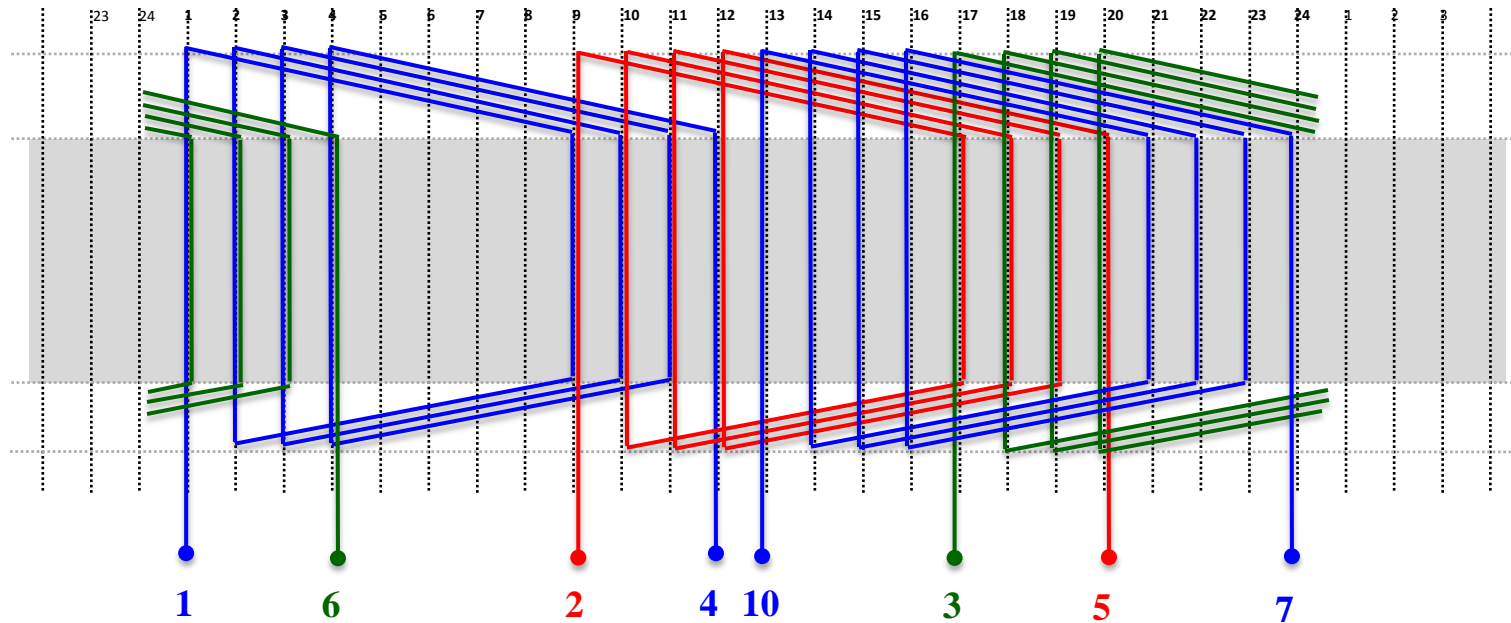


Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar
1 ranhura
24 ranhuras

$\tau_p = 12$ ranhuras
15° el.
360° el.

Fase azul completa

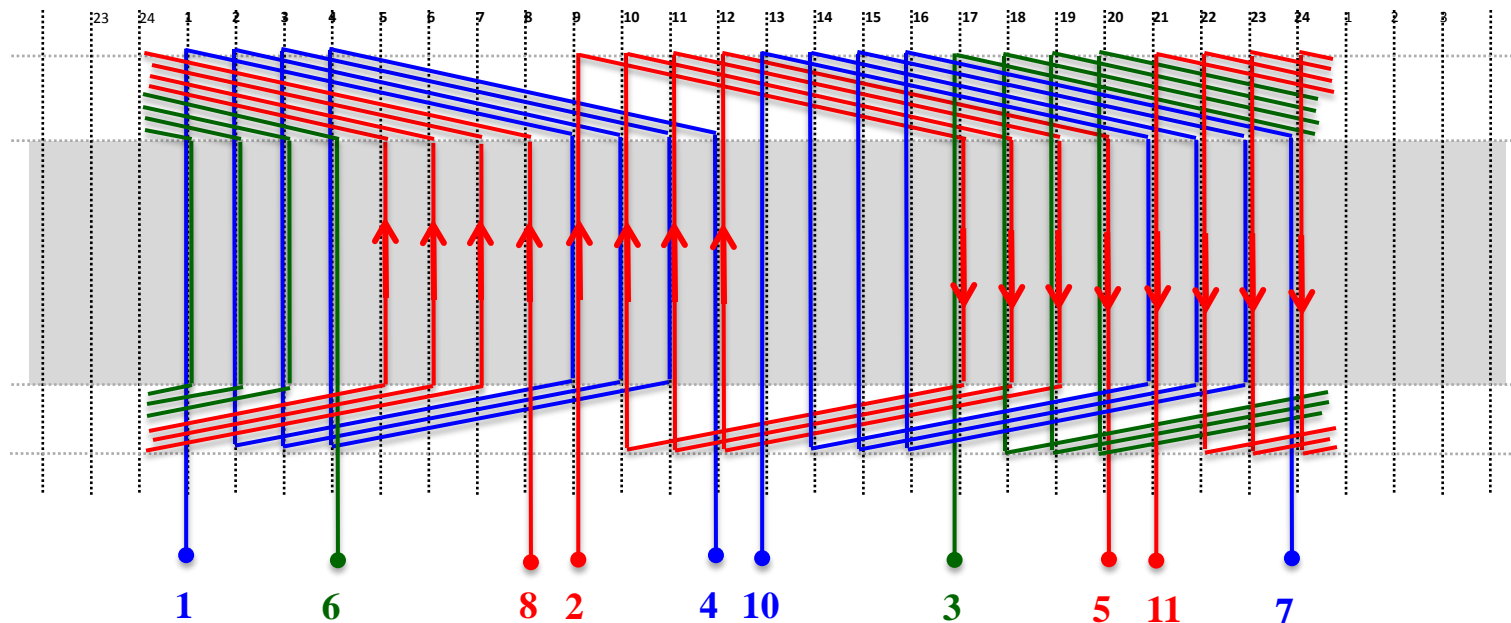


Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar
1 ranhura
24 ranhuras

$\tau_p = 12$ ranhuras
15° el.
360° el.

Incluir segundo grupo – fase vermelha

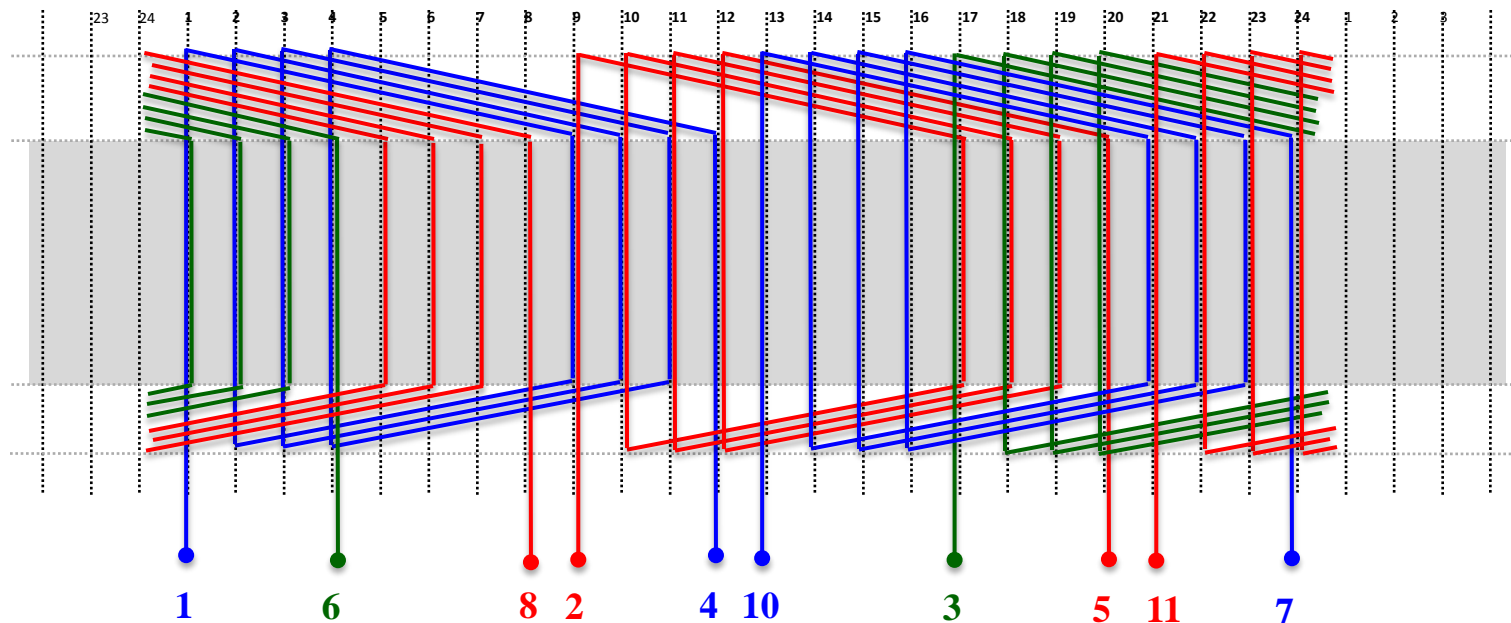


Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar
1 ranhura
24 ranhuras

$\tau_p = 12$ ranhuras
15° el.
360° el.

Fase vermelha completa

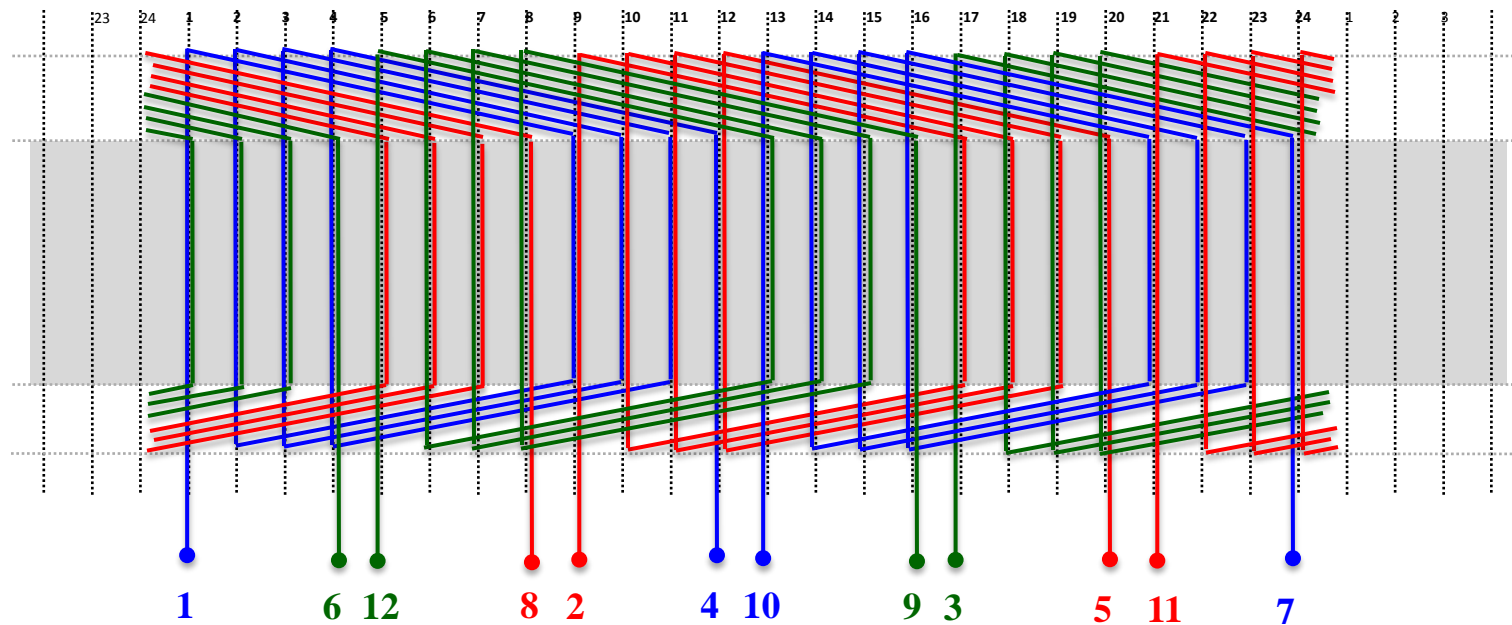


Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar
1 ranhura
24 ranhuras

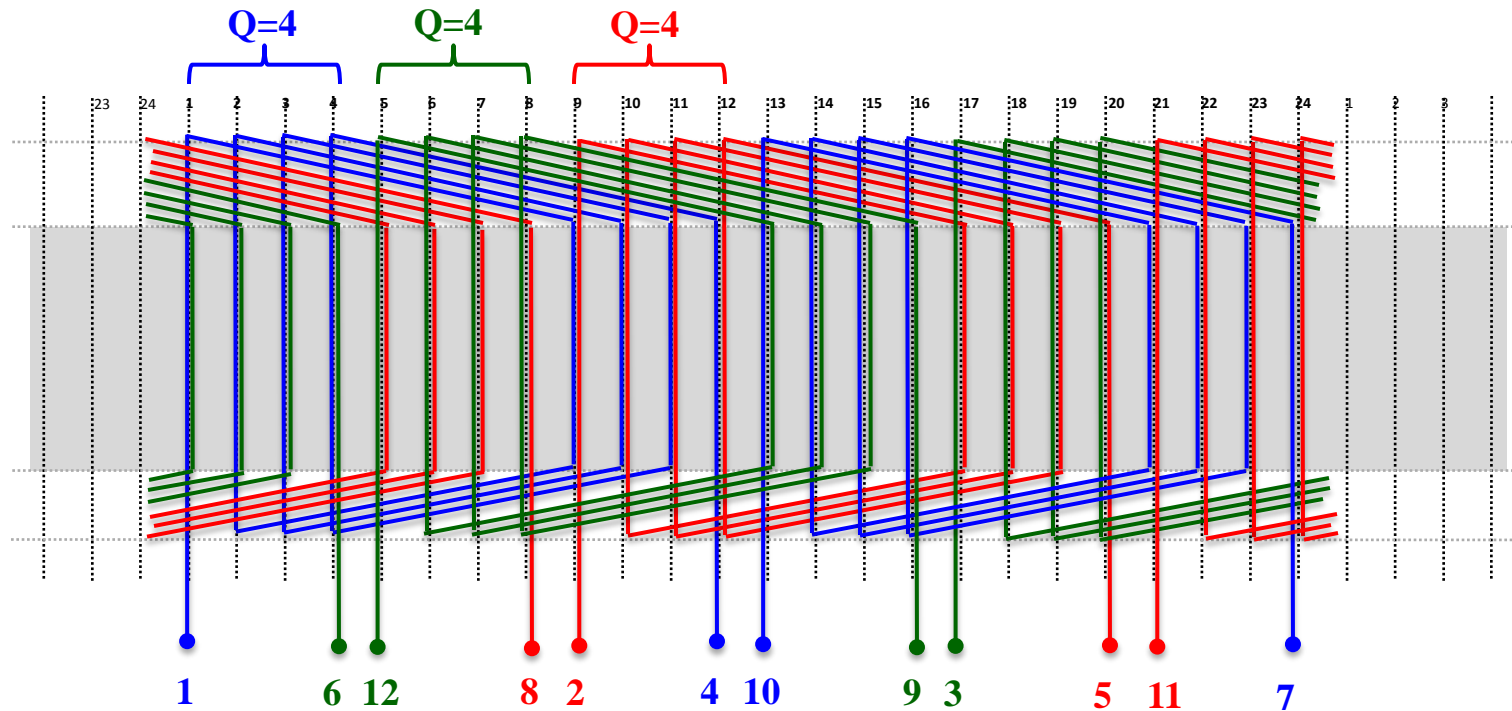
$\tau_p = 12$ ranhuras
15° el.
360° el.

Incluir segundo grupo – fase verde



Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar $\tau_p = 12$ ranh \rightarrow Passo encurtado $\tau_e = 8$ ranh (1:9)
 Ranhuras / polo / fase $q = 4$
 Grupos de bobinas $k = 6$



Enrolamento de camada única - 2 polos , 24 ranhuras

Passo polar $\tau_p = 12$ ranh \rightarrow Passo encurtado $\tau_e = 8$ ranh (1:9)
 Ranhuras / polo / fase $q = 4$
 Grupos de bobinas $k = 6$

