


Input: Rank codes with outputs (*out1*, *out2*, *out3*,, *out16*)

Output: Binary codes

if *out9* earlier than *out1* then  else

if *out15* earlier than *out3* then
if *out16* earlier than *out2* then
if *out16* earlier than *out1* then
output = 1111
else
output = 1110
else
if *out14* earlier than *out1* then
output = 1101
else
output = 1100

else
if *out16* earlier than *out6* then
if *out16* earlier than *out5* then
output = 1011
else
output = 1010
else
if *out10* earlier than *out1* then
output = 1001
else
output = 1000

if *out7* earlier than *out11* then
if *out8* earlier than *out10* then
if *out8* earlier than *out9* then
output = 0000
else
output = 0001
else
if *out6* earlier than *out9* then
output = 0010
else
output = 0011
else

if *out8* earlier than *out14* then
if *out8* earlier than *out13* then
output = 0100
else
output = 0101
else
if *out2* earlier than *out9* then
output = 0110
else
output = 0111