Network 1 Residual Attention Network(Attention 56)	
Input: Image	
Output: Labels	
Processing:	
1.ImageDataGenerator	
1.1 Rotate	
1.2 Shift	
1.3 Flip	
2.Normalize	
end Processing:	
Preparation Phase	
Input: Image Tensor	⊳ Shape: 32 × 32
Processing:	▷ Output Size
1. Padding	⊳ 40 × 40
2. Cropping	$\triangleright 32 \times 32$
3. Convolution	$\triangleright 16 \times 16$
4. MaxPooling	⊳ optional
end Processing:	
Stage 1	
Input: Image Tensor, Filter, residual unit type	
Processing:	▷ Output Size
1. Residual Unit	▷ 16 × 16
2. Attention Module A * 1	▷ 16 × 16
end Processing:	
Stage 2	
Input: Image Tensor, Filter, residual unit type	
Processing:	▷ Output Size
1. Residual Unit-Downsampling	⊳ 8 × 8
2. Attention Module B * 1	⊳ 8 × 8
end Processing:	
Stage 3	
Input: Image Tensor, Filter, residual unit type	
Processing:	▷ Output Size
1. Residual Unit-Downsampling	$\triangleright 4 \times 4$
2. Attention Module C * 1	$\triangleright 4 \times 4$
end Processing:	
Ending Phase	
Input: Image Tensor, Filter, residual unit type	
Processing:	▷ Output Size
1. Residual Unit-Downsampling	$\triangleright 2 \times 2$
2. Residual Unit * 2	$\triangleright 2 \times 2$
2. Average Pooling	▷ 1 × 1
3. Fully Connected	A
end Processing:	Output Size