Operation (ONNX)	Operation (Espam.DNN)	CSDF-rep. name-parameters	CSDF-rep. example	Comments on example
Add	ADD	-	ADD(128)	Element-wise addition of 2 tensors of the same shape, 128 elements each
AveragePool	AVGPOOL	times [int]: operator repetition times k_w [int] : kernel width k_h [int]: kernel height c [int] : channels, =1 by default	AVGPOOL (4_2_3_1)	4 operations of average pooling 2x3 over 1 channel
Conv	CONV	times [int]: operator repetition times k_w [int] : kernel width k_h [int]: kernel height c [int] : input channels = 1 by default ofm [int] : output channels = filters number	CONV (25_5_5_3_8)	25 convolutions 5x5 over 3 input channels and 8 output channels
Gemm	GEMM	-	GEMM (10_20, 20_30)	GEMM AxB, where A is a matrix 10x20, B is a matrix 20x30
LRN	LRN	size [int]: number of channels to lrn over	LRN_5(128)	LRN over 5 channels. Each channel passing data tensor of 128 elements
MaxPool	MAXPOOL	times [int]: operator repetition times k_w [int] : kernel width k_h [int]: kernel height c [int] : channels, =1 by default	MAXPOOL (4_2_2_1)	4 max poolings 2x2 over 1 channel
MatMul	MATMUL	-	MATMUL (10_20, 20_30)	MatMul AxB, where A is a matrix 10x20, B is a matrix 20x30
Relu	ReLU	-	ReLU(10)	Relu over 10 elements

Reshape/ Slice	RESHAPE	-	Reshape	Reshape input
Sigmoid	SIGM	-	SIGM(10)	Sigmoid over 10 elements
Softmax	SOFTMAX	-	SOFTMAX(10)	Softmax over 10 elements
Tanh	THN	-	THN(10)	Tanhens over 10 elements
Upsample	Upsample	times [int]: operator repetition times scale_w [int] : width scale h [int]: height scale input height c [int] : channels, =1 by default	UPSAMPLE (4_2_2_8)	4 upsamples 2x2 over 8 channels
-	NONE	-	NONE	None-operator