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	k_w [int] : kernel width k_h [int]: kernel height c [int] : channels, =1 by default	AVGPOOL (2_3_1)	Average pooling 2x3 over 1 channel
Conv	CONV	k_w [int] : kernel width k_h [int]: kernel height c [int] : channels =1 by default	CONV (5_5_3)	Convolution 5x5 over 3 channels
Concat	CONCAT	I [int] : number of inputs	CONCAT_2(128)	Concatenate 2 tensors, 128 elements each
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	k_w [int] : kernel width k_h [int]: kernel height c [int] : channels, =1 by default	MAXPOOL (2_2_1)	Average pooling 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	RESHAPE	-	Reshape(128)	Reshape of tensor of total 128 elements
Sigmoid	SIGM	-	SIGM(10)	Sigmoid over 10 elements
Softmax	SOFTMAX	-	SOFTMAX(10)	Softmax over 10 elements
Tanh	THN	-	THN(10)	Tanhens over 10 elements
-	NONE	-	NONE	None-operator