pfld-float32

Op	float32 time(ms)	int8 time(ms)	feature map	in	out	kernel	stride
Scale	445	0.0101	feature_map: 48 x 48	inch: 3	outch: 3		
ReLU	446	0.0064	feature_map: 48 x 48	inch: 3	outch: 3		
Convolution	447	0.231	feature_map: 48 x 48	inch: 3	outch: 32	kernel: 1 x 1	stride: 1 x 1
BatchNorm	448_bn	0.047	feature_map: 48 x 48	inch: 32	outch: 32		
Scale	448	0.0454	feature_map: 48 x 48	inch: 32	outch: 32		
ConvolutionDepthWise	449	0.3603	feature_map: 48 x 48	inch: 32	outch: 32	kernel: 3 x 3	stride: 1 x 1
BatchNorm	450_bn	0.1062	feature_map: 48 x 48	inch: 32	outch: 32		
Scale	450	0.0524	feature_map: 48 x 48	inch: 32	outch: 32		
ReLU	451	0.0354	feature_map: 48 x 48	inch: 32	outch: 32		
Convolution	452	1.5697	feature_map: 48 x 48	inch: 32	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	453_bn	0.2061	feature_map: 48 x 48	inch: 64	outch: 64		
Scale	453	0.1206	feature_map: 48 x 48	inch: 64	outch: 64		
ReLU	454	0.0905	feature_map: 48 x 48	inch: 64	outch: 64		
ConvolutionDepthWise	455	0.5716	feature_map: 48 x 48	inch: 64	outch: 64	kernel: 3 x 3	stride: 2 x 2
BatchNorm	456_bn	0.0415	feature_map: 24 x 24	inch: 64	outch: 64		

Scale	456	0.0275	feature_map: 24 x 24	inch: 64	outch: 64		
ReLU	457	0.0202	feature_map: 24 x 24	inch: 64	outch: 64		
Convolution	458	0.3209	feature_map: 24 x 24	inch: 64	outch: 32	kernel: 1 x 1	stride: 1 x 1
BatchNorm	459_bn	0.016	feature_map: 24 x 24	inch: 32	outch: 32		
Scale	459	0.011	feature_map: 24 x 24	inch: 32	outch: 32		
Convolution	460	0.3405	feature_map: 24 x 24	inch: 32	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	461_bn	0.0286	feature_map: 24 x 24	inch: 64	outch: 64		
Scale	461	0.0218	feature_map: 24 x 24	inch: 64	outch: 64		
ReLU	462	0.0206	feature_map: 24 x 24	inch: 64	outch: 64		
ConvolutionDepthWise	463	0.152	feature_map: 24 x 24	inch: 64	outch: 64	kernel: 3 x 3	stride: 2 x 2
BatchNorm	464_bn	0.0104	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	464	0.0101	feature_map: 12 x 12	inch: 64	outch: 64		
ReLU	465	0.01	feature_map: 12 x 12	inch: 64	outch: 64		
Convolution	466	0.1547	feature_map: 12 x 12	inch: 64	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	467_bn	0.0101	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	467	0.0103	feature_map: 12 x 12	inch: 64	outch: 64		
Split	splitncnn_0	0.0					
Convolution	468	0.2676	feature_map: 12 x 12	inch: 64	outch: 128	kernel: 1 x 1	stride: 1 x 1

BatchNorm	469_bn	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	469	0.0198	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	470	0.0103	feature_map: 12 x 12	inch: 128	outch: 128		
ConvolutionDepthWise	471	0.1425	feature_map: 12 x 12	inch: 128	outch: 128	kernel: 3 x 3	stride: 1 x 1
BatchNorm	472_bn	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	472	0.0197	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	473	0.0104	feature_map: 12 x 12	inch: 128	outch: 128		
Convolution	474	0.2837	feature_map: 12 x 12	inch: 128	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	475_bn	0.0101	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	475	0.0103	feature_map: 12 x 12	inch: 64	outch: 64		
Eltwise	476	0.0208					
Split	splitncnn_1	0.0					
Convolution	477	0.2717	feature_map: 12 x 12	inch: 64	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	478_bn	0.0203	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	478	0.02	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	479	0.0103	feature_map: 12 x 12	inch: 128	outch: 128		
ConvolutionDepthWise	480	0.1337	feature_map: 12 x 12	inch: 128	outch: 128	kernel: 3 x 3	stride: 1 x 1
BatchNorm	481_bn	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		

Scale	481	0.0195	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	482	0.0104	feature_map: 12 x 12	inch: 128	outch: 128		
Convolution	483	0.2641	feature_map: 12 x 12	inch: 128	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	484_bn	0.0101	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	484	0.0101	feature_map: 12 x 12	inch: 64	outch: 64		
Eltwise	485	0.0206					
Split	splitncnn_2	0.0					
Convolution	486	0.2672	feature_map: 12 x 12	inch: 64	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	487_bn	0.0207	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	487	0.0195	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	488	0.0103	feature_map: 12 x 12	inch: 128	outch: 128		
ConvolutionDepthWise	489	0.1343	feature_map: 12 x 12	inch: 128	outch: 128	kernel: 3 x 3	stride: 1 x 1
BatchNorm	490_bn	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	490	0.0198	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	491	0.0102	feature_map: 12 x 12	inch: 128	outch: 128		
Convolution	492	0.2673	feature_map: 12 x 12	inch: 128	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	493_bn	0.0101	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	493	0.0101	feature_map: 12 x 12	inch: 64	outch: 64		

Eltwise	494	0.0201					
Split	splitncnn_3	0.0					
Convolution	495	0.2643	feature_map: 12 x 12	inch: 64	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	496_bn	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	496	0.0197	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	497	0.0102	feature_map: 12 x 12	inch: 128	outch: 128		
ConvolutionDepthWise	498	0.1321	feature_map: 12 x 12	inch: 128	outch: 128	kernel: 3 x 3	stride: 1 x 1
BatchNorm	499_bn	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	499	0.0196	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	500	0.0102	feature_map: 12 x 12	inch: 128	outch: 128		
Convolution	501	0.2652	feature_map: 12 x 12	inch: 128	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	502_bn	0.0101	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	502	0.0103	feature_map: 12 x 12	inch: 64	outch: 64		
Eltwise	503	0.0201					
Split	splitncnn_4	0.0					
ConvolutionDepthWise	504	0.0717	feature_map: 12 x 12	inch: 64	outch: 64	kernel: 3 x 3	stride: 2 x 2
BatchNorm	505_bn	0.0066	feature_map: 6 x 6	inch: 64	outch: 64		
Scale	505	0.0032	feature_map: 6 x 6	inch: 64	outch: 64		
ReLU	506	0.0008	feature_map: 6 x 6	inch: 64	outch: 64		

Convolution	507	0.0721	feature_map: 6 x 6	inch: 64	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	508_bn	0.01	feature_map: 6 x 6	inch: 128	outch: 128		
Scale	508	0.01	feature_map: 6 x 6	inch: 128	outch: 128		
ConvolutionDepthWise	509	0.0799	feature_map: 6 x 6	inch: 128	outch: 128	kernel: 3 x 3	stride: 1 x 1
BatchNorm	510_bn	0.01	feature_map: 6 x 6	inch: 128	outch: 128		
Scale	510	0.01	feature_map: 6 x 6	inch: 128	outch: 128		
ReLU	511	0.0034	feature_map: 6 x 6	inch: 128	outch: 128		
Convolution	512	0.1375	feature_map: 6 x 6	inch: 128	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	513_bn	0.01	feature_map: 6 x 6	inch: 128	outch: 128		
Scale	513	0.01	feature_map: 6 x 6	inch: 128	outch: 128		
ConvolutionDepthWise	514	0.0664	feature_map: 6 x 6	inch: 128	outch: 128	kernel: 3 x 3	stride: 2 x 2
BatchNorm	515_bn	0.01	feature_map: 3 x 3	inch: 128	outch: 128		
Scale	515	0.01	feature_map: 3 x 3	inch: 128	outch: 128		
ReLU	516	0.0041	feature_map: 3 x 3	inch: 128	outch: 128		
Convolution	517	0.0295	feature_map: 3 x 3	inch: 128	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	518_bn	0.0081	feature_map: 3 x 3	inch: 64	outch: 64		
Scale	518	0.006	feature_map: 3 x 3	inch: 64	outch: 64		

ConvolutionDepthWise	519	0.0104	feature_map: 3 x 3	inch: 64	outch: 64	kernel: 3 x 3	stride: 2 x 2
BatchNorm	520_bn	0.0053	feature_map: 1 x 1	inch: 64	outch: 64		
Scale	520	0.0024	feature_map: 1 x 1	inch: 64	outch: 64		
ReLU	521	0.0	feature_map: 1 x 1	inch: 64	outch: 64		
Convolution	522	0.0204	feature_map: 1 x 1	inch: 64	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	523_bn	0.01	feature_map: 1 x 1	inch: 128	outch: 128		
Scale	523	0.01	feature_map: 1 x 1	inch: 128	outch: 128		
Flatten	524	0.0002	feature_map: 1 x 1	inch: 128	outch: 1		
InnerProduct	525	0.0502	feature_map: 128 x 1	inch: 1	outch: 1		
Sigmoid	526	0.0011	feature_map: 68 x 1	inch: 1	outch: 1		
Convolution	527	0.2647	feature_map: 12 x 12	inch: 64	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	528_bn	0.0203	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	528	0.02	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	529	0.0104	feature_map: 12 x 12	inch: 128	outch: 128		
ConvolutionDepthWise	530	0.1332	feature_map: 12 x 12	inch: 128	outch: 128	kernel: 3 x 3	stride: 1 x 1
BatchNorm	531_bn	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	531	0.0196	feature_map: 12 x 12	inch: 128	outch: 128		

ReLU	532	0.0104	feature_map: 12 x 12	inch: 128	outch: 128		
Convolution	533	0.5121	feature_map: 12 x 12	inch: 128	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	534_bn	0.0202	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	534	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		
Split	splitncnn_5	0.0					
Convolution	535	0.9893	feature_map: 12 x 12	inch: 128	outch: 256	kernel: 1 x 1	stride: 1 x 1
BatchNorm	536_bn	0.0402	feature_map: 12 x 12	inch: 256	outch: 256		
Scale	536	0.0303	feature_map: 12 x 12	inch: 256	outch: 256		
ReLU	537	0.0203	feature_map: 12 x 12	inch: 256	outch: 256		
ConvolutionDepthWise	538	0.2604	feature_map: 12 x 12	inch: 256	outch: 256	kernel: 3 x 3	stride: 1 x 1
BatchNorm	539_bn	0.0362	feature_map: 12 x 12	inch: 256	outch: 256		
Scale	539	0.0302	feature_map: 12 x 12	inch: 256	outch: 256		
ReLU	540	0.0206	feature_map: 12 x 12	inch: 256	outch: 256		
Convolution	541	0.993	feature_map: 12 x 12	inch: 256	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	542_bn	0.0202	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	542	0.02	feature_map: 12 x 12	inch: 128	outch: 128		
Eltwise	543	0.0487					
Split	splitncnn_6	0.0					

Layer	Name	Value	feature_map	inch	outch	kernel	stride
Convolution	544	1.0447	feature_map: 12 x 12	inch: 128	outch: 256	kernel: 1 x 1	stride: 1 x 1
BatchNorm	545_bn	0.0404	feature_map: 12 x 12	inch: 256	outch: 256		
Scale	545	0.0307	feature_map: 12 x 12	inch: 256	outch: 256		
ReLU	546	0.0204	feature_map: 12 x 12	inch: 256	outch: 256		
ConvolutionDepthWise	547	0.255	feature_map: 12 x 12	inch: 256	outch: 256	kernel: 3 x 3	stride: 1 x 1
BatchNorm	548_bn	0.0331	feature_map: 12 x 12	inch: 256	outch: 256		
Scale	548	0.0305	feature_map: 12 x 12	inch: 256	outch: 256		
ReLU	549	0.0203	feature_map: 12 x 12	inch: 256	outch: 256		
Convolution	550	0.9914	feature_map: 12 x 12	inch: 256	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	551_bn	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	551	0.0202	feature_map: 12 x 12	inch: 128	outch: 128		
Eltwise	552	0.0456					
Convolution	553	1.024	feature_map: 12 x 12	inch: 128	outch: 256	kernel: 1 x 1	stride: 1 x 1
BatchNorm	554_bn	0.0398	feature_map: 12 x 12	inch: 256	outch: 256		
Scale	554	0.0304	feature_map: 12 x 12	inch: 256	outch: 256		
ReLU	555	0.0205	feature_map: 12 x 12	inch: 256	outch: 256		
ConvolutionDepthWise	556	0.2546	feature_map: 12 x 12	inch: 256	outch: 256	kernel: 3 x 3	stride: 1 x 1
BatchNorm	557_bn	0.0353	feature_map: 12 x 12	inch: 256	outch: 256		

Scale	557	0.0303	feature_map: 12 x 12	inch: 256	outch: 256		
ReLU	558	0.0203	feature_map: 12 x 12	inch: 256	outch: 256		
Convolution	559	1.8996	feature_map: 12 x 12	inch: 256	outch: 256	kernel: 1 x 1	stride: 1 x 1
BatchNorm	560_bn	0.0404	feature_map: 12 x 12	inch: 256	outch: 256		
Scale	560	0.0312	feature_map: 12 x 12	inch: 256	outch: 256		
Convolution	561	3.6882	feature_map: 12 x 12	inch: 256	outch: 512	kernel: 1 x 1	stride: 1 x 1
BatchNorm	562_bn	0.0868	feature_map: 12 x 12	inch: 512	outch: 512		
Scale	562	0.0607	feature_map: 12 x 12	inch: 512	outch: 512		
ReLU	563	0.0444	feature_map: 12 x 12	inch: 512	outch: 512		
ConvolutionDepthWise	564	0.5178	feature_map: 12 x 12	inch: 512	outch: 512	kernel: 3 x 3	stride: 1 x 1
BatchNorm	565_bn	0.0807	feature_map: 12 x 12	inch: 512	outch: 512		
Scale	565	0.0607	feature_map: 12 x 12	inch: 512	outch: 512		
ReLU	566	0.0414	feature_map: 12 x 12	inch: 512	outch: 512		
Convolution	567	0.6611	feature_map: 12 x 12	inch: 512	outch: 32	kernel: 1 x 1	stride: 1 x 1
BatchNorm	568_bn	0.0102	feature_map: 12 x 12	inch: 32	outch: 32		
Scale	568	0.0099	feature_map: 12 x 12	inch: 32	outch: 32		
ConvolutionDepthWise	569	0.02	feature_map: 12 x 12	inch: 32	outch: 32	kernel: 3 x 3	stride: 2 x 2

BatchNorm	570_bn	0.0018	feature_map: 5 x 5	inch: 32	outch: 32		
Scale	570	0.0005	feature_map: 5 x 5	inch: 32	outch: 32		
ReLU	571	0.0007	feature_map: 5 x 5	inch: 32	outch: 32		
Convolution	572	0.0408	feature_map: 5 x 5	inch: 32	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	573_bn	0.0078	feature_map: 5 x 5	inch: 64	outch: 64		
Scale	573	0.0058	feature_map: 5 x 5	inch: 64	outch: 64		
ConvolutionDepthWise	574	0.0156	feature_map: 5 x 5	inch: 64	outch: 64	kernel: 3 x 3	stride: 2 x 2
BatchNorm	575_bn	0.0015	feature_map: 2 x 2	inch: 64	outch: 64		
Scale	575	0.0002	feature_map: 2 x 2	inch: 64	outch: 64		
ReLU	576	0.0	feature_map: 2 x 2	inch: 64	outch: 64		
Convolution	577	0.0203	feature_map: 2 x 2	inch: 64	outch: 32	kernel: 1 x 1	stride: 1 x 1
BatchNorm	578_bn	0.0001	feature_map: 2 x 2	inch: 32	outch: 32		
Scale	578	0.0001	feature_map: 2 x 2	inch: 32	outch: 32		
Split	splitncnn_7	0.0					
Flatten	584	0.0002	feature_map: 2 x 2	inch: 32	outch: 1		
ConvolutionDepthWise	579	0.1417	feature_map: 2 x 2	inch: 32	outch: 32	kernel: 1 x 1	stride: 2 x 2
BatchNorm	580_bn	0.0017	feature_map: 1 x 1	inch: 32	outch: 32		
Scale	580	0.0003	feature_map: 1 x 1	inch: 32	outch: 32		

ReLU	581	0.0	feature_map: 1 x 1	inch: 32	outch: 32		
Convolution	582	0.0523	feature_map: 1 x 1	inch: 32	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	583_bn	0.01	feature_map: 1 x 1	inch: 128	outch: 128		
Scale	583	0.0101	feature_map: 1 x 1	inch: 128	outch: 128		
Flatten	585	0.0001	feature_map: 1 x 1	inch: 128	outch: 1		
Concat	586	0.0					
Flatten	587	0.0	feature_map: 256 x 1	inch: 1	outch: 1		
InnerProduct	588	0.1924	feature_map: 256 x 1	inch: 1	outch: 1		
Split	splitncnn_8	0.0					
Reshape	590	0.0	feature_map: 136 x 1	inch: 1	outch: 1		
InnerProduct	592	0.0455	feature_map: 136 x 1	inch: 1	outch: 1		
ReLU	593	0.0	feature_map: 128 x 1	inch: 1	outch: 1		
InnerProduct	594	0.1677	feature_map: 128 x 1	inch: 1	outch: 1		
ReLU	595	0.0	feature_map: 256 x 1	inch: 1	outch: 1		
InnerProduct	596	0.0792	feature_map: 256 x 1	inch: 1	outch: 1		
ConvolutionDepthWise	444	0.0986	feature_map: 96 x 96	inch: 3	outch: 3	kernel: 3 x 3	stride: 2 x 2
BatchNorm	445_bn	0.01	feature_map: 48 x 48	inch: 3	outch: 3		

(' layer count = ', 210)
(' thread = ', 'k8s_pfld_dpdm-float32')

pfld-int8

Op	float32 time(ms)	int8 time(ms)	feature map	in	out	kernel	stride
Scale	445	0.01	feature_map: 48 x 48	inch: 3	outch: 3		
ReLU	446	0.0053	feature_map: 48 x 48	inch: 3	outch: 3		
Convolution	447	0.3191	feature_map: 48 x 48	inch: 3	outch: 32	kernel: 1 x 1	stride: 1 x 1
BatchNorm	448_bn	0.0505	feature_map: 48 x 48	inch: 32	outch: 32		
Scale	448	0.0459	feature_map: 48 x 48	inch: 32	outch: 32		
ConvolutionDepthWise	449	1.6881	feature_map: 48 x 48	inch: 32	outch: 32	kernel: 3 x 3	stride: 1 x 1
BatchNorm	450_bn	0.0601	feature_map: 48 x 48	inch: 32	outch: 32		
Scale	450	0.0506	feature_map: 48 x 48	inch: 32	outch: 32		
ReLU	451	0.0355	feature_map: 48 x 48	inch: 32	outch: 32		
Convolution	452	1.5422	feature_map: 48 x 48	inch: 32	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	453_bn	0.134	feature_map: 48 x 48	inch: 64	outch: 64		
Scale	453	0.121	feature_map: 48 x 48	inch: 64	outch: 64		
ReLU	454	0.0985	feature_map: 48 x 48	inch: 64	outch: 64		
ConvolutionDepthWise	455	1.462	feature_map: 48 x 48	inch: 64	outch: 64	kernel: 3 x 3	stride: 2 x 2
BatchNorm	456_bn	0.032	feature_map: 24 x 24	inch: 64	outch: 64		

Scale	456	0.0267	feature_map: 24 x 24	inch: 64	outch: 64		
ReLU	457	0.0204	feature_map: 24 x 24	inch: 64	outch: 64		
Convolution	458	0.4237	feature_map: 24 x 24	inch: 64	outch: 32	kernel: 1 x 1	stride: 1 x 1
BatchNorm	459_bn	0.0132	feature_map: 24 x 24	inch: 32	outch: 32		
Scale	459	0.0107	feature_map: 24 x 24	inch: 32	outch: 32		
Convolution	460	0.4056	feature_map: 24 x 24	inch: 32	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	461_bn	0.0245	feature_map: 24 x 24	inch: 64	outch: 64		
Scale	461	0.0226	feature_map: 24 x 24	inch: 64	outch: 64		
ReLU	462	0.0201	feature_map: 24 x 24	inch: 64	outch: 64		
ConvolutionDepthWise	463	0.5067	feature_map: 24 x 24	inch: 64	outch: 64	kernel: 3 x 3	stride: 2 x 2
BatchNorm	464_bn	0.0103	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	464	0.01	feature_map: 12 x 12	inch: 64	outch: 64		
ReLU	465	0.0101	feature_map: 12 x 12	inch: 64	outch: 64		
Convolution	466	0.2132	feature_map: 12 x 12	inch: 64	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	467_bn	0.0107	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	467	0.01	feature_map: 12 x 12	inch: 64	outch: 64		
Split	splitncnn_0	0.0					
Convolution	468	0.3791	feature_map: 12 x 12	inch: 64	outch: 128	kernel: 1 x 1	stride: 1 x 1

BatchNorm	469_bn	0.02	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	469	0.0198	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	470	0.0101	feature_map: 12 x 12	inch: 128	outch: 128		
ConvolutionDepthWise	471	0.7046	feature_map: 12 x 12	inch: 128	outch: 128	kernel: 3 x 3	stride: 1 x 1
BatchNorm	472_bn	0.02	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	472	0.0194	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	473	0.0101	feature_map: 12 x 12	inch: 128	outch: 128		
Convolution	474	0.3552	feature_map: 12 x 12	inch: 128	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	475_bn	0.01	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	475	0.01	feature_map: 12 x 12	inch: 64	outch: 64		
Eltwise	476	0.0204					
Split	splitncnn_1	0.0					
Convolution	477	0.3744	feature_map: 12 x 12	inch: 64	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	478_bn	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	478	0.0194	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	479	0.0103	feature_map: 12 x 12	inch: 128	outch: 128		
ConvolutionDepthWise	480	0.7075	feature_map: 12 x 12	inch: 128	outch: 128	kernel: 3 x 3	stride: 1 x 1
BatchNorm	481_bn	0.0203	feature_map: 12 x 12	inch: 128	outch: 128		

Scale	481	0.0199	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	482	0.0101	feature_map: 12 x 12	inch: 128	outch: 128		
Convolution	483	0.3543	feature_map: 12 x 12	inch: 128	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	484_bn	0.01	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	484	0.0103	feature_map: 12 x 12	inch: 64	outch: 64		
Eltwise	485	0.0198					
Split	splitncnn_2	0.0					
Convolution	486	0.3776	feature_map: 12 x 12	inch: 64	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	487_bn	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	487	0.0195	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	488	0.0102	feature_map: 12 x 12	inch: 128	outch: 128		
ConvolutionDepthWise	489	0.7053	feature_map: 12 x 12	inch: 128	outch: 128	kernel: 3 x 3	stride: 1 x 1
BatchNorm	490_bn	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	490	0.0198	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	491	0.0101	feature_map: 12 x 12	inch: 128	outch: 128		
Convolution	492	0.3547	feature_map: 12 x 12	inch: 128	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	493_bn	0.0102	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	493	0.01	feature_map: 12 x 12	inch: 64	outch: 64		

Eltwise	494	0.0196					
Split	splitncnn_3	0.0					
Convolution	495	0.3729	feature_map: 12 x 12	inch: 64	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	496_bn	0.02	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	496	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	497	0.0103	feature_map: 12 x 12	inch: 128	outch: 128		
ConvolutionDepthWise	498	0.7072	feature_map: 12 x 12	inch: 128	outch: 128	kernel: 3 x 3	stride: 1 x 1
BatchNorm	499_bn	0.0202	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	499	0.0188	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	500	0.0101	feature_map: 12 x 12	inch: 128	outch: 128		
Convolution	501	0.3618	feature_map: 12 x 12	inch: 128	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	502_bn	0.0101	feature_map: 12 x 12	inch: 64	outch: 64		
Scale	502	0.01	feature_map: 12 x 12	inch: 64	outch: 64		
Eltwise	503	0.0198					
Split	splitncnn_4	0.0					
ConvolutionDepthWise	504	0.2333	feature_map: 12 x 12	inch: 64	outch: 64	kernel: 3 x 3	stride: 2 x 2
BatchNorm	505_bn	0.0084	feature_map: 6 x 6	inch: 64	outch: 64		
Scale	505	0.0033	feature_map: 6 x 6	inch: 64	outch: 64		
ReLU	506	0.0005	feature_map: 6 x 6	inch: 64	outch: 64		

Convolution	507	0.1822	feature_map: 6 x 6	inch: 64	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	508_bn	0.01	feature_map: 6 x 6	inch: 128	outch: 128		
Scale	508	0.01	feature_map: 6 x 6	inch: 128	outch: 128		
ConvolutionDepthWise	509	0.3861	feature_map: 6 x 6	inch: 128	outch: 128	kernel: 3 x 3	stride: 1 x 1
BatchNorm	510_bn	0.01	feature_map: 6 x 6	inch: 128	outch: 128		
Scale	510	0.01	feature_map: 6 x 6	inch: 128	outch: 128		
ReLU	511	0.0034	feature_map: 6 x 6	inch: 128	outch: 128		
Convolution	512	0.2542	feature_map: 6 x 6	inch: 128	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	513_bn	0.01	feature_map: 6 x 6	inch: 128	outch: 128		
Scale	513	0.01	feature_map: 6 x 6	inch: 128	outch: 128		
ConvolutionDepthWise	514	0.2971	feature_map: 6 x 6	inch: 128	outch: 128	kernel: 3 x 3	stride: 2 x 2
BatchNorm	515_bn	0.01	feature_map: 3 x 3	inch: 128	outch: 128		
Scale	515	0.01	feature_map: 3 x 3	inch: 128	outch: 128		
ReLU	516	0.0064	feature_map: 3 x 3	inch: 128	outch: 128		
Convolution	517	0.0802	feature_map: 3 x 3	inch: 128	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	518_bn	0.009	feature_map: 3 x 3	inch: 64	outch: 64		
Scale	518	0.0056	feature_map: 3 x 3	inch: 64	outch: 64		

ConvolutionDepthWise	519	0.0986	feature_map: 3 x 3	inch: 64	outch: 64	kernel: 3 x 3	stride: 2 x 2
BatchNorm	520_bn	0.0045	feature_map: 1 x 1	inch: 64	outch: 64		
Scale	520	0.0037	feature_map: 1 x 1	inch: 64	outch: 64		
ReLU	521	0.0	feature_map: 1 x 1	inch: 64	outch: 64		
Convolution	522	0.1001	feature_map: 1 x 1	inch: 64	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	523_bn	0.01	feature_map: 1 x 1	inch: 128	outch: 128		
Scale	523	0.0102	feature_map: 1 x 1	inch: 128	outch: 128		
Flatten	524	0.0002	feature_map: 1 x 1	inch: 128	outch: 1		
InnerProduct	525	0.0326	feature_map: 128 x 1	inch: 1	outch: 1		
Sigmoid	526	0.002	feature_map: 68 x 1	inch: 1	outch: 1		
Convolution	527	0.3858	feature_map: 12 x 12	inch: 64	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	528_bn	0.0204	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	528	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		
ReLU	529	0.0101	feature_map: 12 x 12	inch: 128	outch: 128		
ConvolutionDepthWise	530	0.7094	feature_map: 12 x 12	inch: 128	outch: 128	kernel: 3 x 3	stride: 1 x 1
BatchNorm	531_bn	0.0216	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	531	0.0186	feature_map: 12 x 12	inch: 128	outch: 128		

ReLU	532	0.0101	feature_map: 12 x 12	inch: 128	outch: 128		
Convolution	533	0.6257	feature_map: 12 x 12	inch: 128	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	534_bn	0.0202	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	534	0.0197	feature_map: 12 x 12	inch: 128	outch: 128		
Split	splitncnn_5	0.0					
Convolution	535	1.1707	feature_map: 12 x 12	inch: 128	outch: 256	kernel: 1 x 1	stride: 1 x 1
BatchNorm	536_bn	0.0314	feature_map: 12 x 12	inch: 256	outch: 256		
Scale	536	0.0306	feature_map: 12 x 12	inch: 256	outch: 256		
ReLU	537	0.0202	feature_map: 12 x 12	inch: 256	outch: 256		
ConvolutionDepthWise	538	1.4012	feature_map: 12 x 12	inch: 256	outch: 256	kernel: 3 x 3	stride: 1 x 1
BatchNorm	539_bn	0.0341	feature_map: 12 x 12	inch: 256	outch: 256		
Scale	539	0.0307	feature_map: 12 x 12	inch: 256	outch: 256		
ReLU	540	0.0211	feature_map: 12 x 12	inch: 256	outch: 256		
Convolution	541	1.1655	feature_map: 12 x 12	inch: 256	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	542_bn	0.02	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	542	0.0197	feature_map: 12 x 12	inch: 128	outch: 128		
Eltwise	543	0.0409					
Split	splitncnn_6	0.0					

Convolution	544	1.1894	feature_map: 12 x 12	inch: 128	outch: 256	kernel: 1 x 1	stride: 1 x 1
BatchNorm	545_bn	0.032	feature_map: 12 x 12	inch: 256	outch: 256		
Scale	545	0.0303	feature_map: 12 x 12	inch: 256	outch: 256		
ReLU	546	0.0208	feature_map: 12 x 12	inch: 256	outch: 256		
ConvolutionDepthWise	547	1.4	feature_map: 12 x 12	inch: 256	outch: 256	kernel: 3 x 3	stride: 1 x 1
BatchNorm	548_bn	0.0331	feature_map: 12 x 12	inch: 256	outch: 256		
Scale	548	0.0307	feature_map: 12 x 12	inch: 256	outch: 256		
ReLU	549	0.021	feature_map: 12 x 12	inch: 256	outch: 256		
Convolution	550	1.162	feature_map: 12 x 12	inch: 256	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	551_bn	0.0201	feature_map: 12 x 12	inch: 128	outch: 128		
Scale	551	0.02	feature_map: 12 x 12	inch: 128	outch: 128		
Eltwise	552	0.0373					
Convolution	553	1.1629	feature_map: 12 x 12	inch: 128	outch: 256	kernel: 1 x 1	stride: 1 x 1
BatchNorm	554_bn	0.0319	feature_map: 12 x 12	inch: 256	outch: 256		
Scale	554	0.0309	feature_map: 12 x 12	inch: 256	outch: 256		
ReLU	555	0.0207	feature_map: 12 x 12	inch: 256	outch: 256		
ConvolutionDepthWise	556	1.4223	feature_map: 12 x 12	inch: 256	outch: 256	kernel: 3 x 3	stride: 1 x 1
BatchNorm	557_bn	0.0339	feature_map: 12 x 12	inch: 256	outch: 256		

Layer	ID	Value	feature_map	inch	outch	kernel	stride
Scale	557	0.0304	feature_map: 12 x 12	inch: 256	outch: 256		
ReLU	558	0.0202	feature_map: 12 x 12	inch: 256	outch: 256		
Convolution	559	2.1671	feature_map: 12 x 12	inch: 256	outch: 256	kernel: 1 x 1	stride: 1 x 1
BatchNorm	560_bn	0.0309	feature_map: 12 x 12	inch: 256	outch: 256		
Scale	560	0.0301	feature_map: 12 x 12	inch: 256	outch: 256		
Convolution	561	4.1484	feature_map: 12 x 12	inch: 256	outch: 512	kernel: 1 x 1	stride: 1 x 1
BatchNorm	562_bn	0.0704	feature_map: 12 x 12	inch: 512	outch: 512		
Scale	562	0.0612	feature_map: 12 x 12	inch: 512	outch: 512		
ReLU	563	0.0431	feature_map: 12 x 12	inch: 512	outch: 512		
ConvolutionDepthWise	564	2.7895	feature_map: 12 x 12	inch: 512	outch: 512	kernel: 3 x 3	stride: 1 x 1
BatchNorm	565_bn	0.0725	feature_map: 12 x 12	inch: 512	outch: 512		
Scale	565	0.0603	feature_map: 12 x 12	inch: 512	outch: 512		
ReLU	566	0.0436	feature_map: 12 x 12	inch: 512	outch: 512		
Convolution	567	0.822	feature_map: 12 x 12	inch: 512	outch: 32	kernel: 1 x 1	stride: 1 x 1
BatchNorm	568_bn	0.01	feature_map: 12 x 12	inch: 32	outch: 32		
Scale	568	0.01	feature_map: 12 x 12	inch: 32	outch: 32		
ConvolutionDepthWise	569	0.0913	feature_map: 12 x 12	inch: 32	outch: 32	kernel: 3 x 3	stride: 2 x 2

BatchNorm	570_bn	0.0018	feature_map: 5 x 5	inch: 32	outch: 32		
Scale	570	0.0007	feature_map: 5 x 5	inch: 32	outch: 32		
ReLU	571	0.0002	feature_map: 5 x 5	inch: 32	outch: 32		
Convolution	572	0.0724	feature_map: 5 x 5	inch: 32	outch: 64	kernel: 1 x 1	stride: 1 x 1
BatchNorm	573_bn	0.0094	feature_map: 5 x 5	inch: 64	outch: 64		
Scale	573	0.0064	feature_map: 5 x 5	inch: 64	outch: 64		
ConvolutionDepthWise	574	0.1096	feature_map: 5 x 5	inch: 64	outch: 64	kernel: 3 x 3	stride: 2 x 2
BatchNorm	575_bn	0.0003	feature_map: 2 x 2	inch: 64	outch: 64		
Scale	575	0.0	feature_map: 2 x 2	inch: 64	outch: 64		
ReLU	576	0.0	feature_map: 2 x 2	inch: 64	outch: 64		
Convolution	577	0.05	feature_map: 2 x 2	inch: 64	outch: 32	kernel: 1 x 1	stride: 1 x 1
BatchNorm	578_bn	0.0	feature_map: 2 x 2	inch: 32	outch: 32		
Scale	578	0.0	feature_map: 2 x 2	inch: 32	outch: 32		
Split	splitncnn_7	0.0					
Flatten	584	0.0001	feature_map: 2 x 2	inch: 32	outch: 1		
ConvolutionDepthWise	579	0.2186	feature_map: 2 x 2	inch: 32	outch: 32	kernel: 1 x 1	stride: 2 x 2
BatchNorm	580_bn	0.0008	feature_map: 1 x 1	inch: 32	outch: 32		
Scale	580	0.0003	feature_map: 1 x 1	inch: 32	outch: 32		

ReLU	581	0.0	feature_map: 1 x 1	inch: 32	outch: 32		
Convolution	582	0.0926	feature_map: 1 x 1	inch: 32	outch: 128	kernel: 1 x 1	stride: 1 x 1
BatchNorm	583_bn	0.01	feature_map: 1 x 1	inch: 128	outch: 128		
Scale	583	0.01	feature_map: 1 x 1	inch: 128	outch: 128		
Flatten	585	0.0	feature_map: 1 x 1	inch: 128	outch: 1		
Concat	586	0.0					
Flatten	587	0.0	feature_map: 256 x 1	inch: 1	outch: 1		
InnerProduct	588	0.1685	feature_map: 256 x 1	inch: 1	outch: 1		
Split	splitncnn_8	0.0					
Reshape	590	0.0	feature_map: 136 x 1	inch: 1	outch: 1		
InnerProduct	592	0.0395	feature_map: 136 x 1	inch: 1	outch: 1		
ReLU	593	0.0	feature_map: 128 x 1	inch: 1	outch: 1		
InnerProduct	594	0.1045	feature_map: 128 x 1	inch: 1	outch: 1		
ReLU	595	0.0	feature_map: 256 x 1	inch: 1	outch: 1		
InnerProduct	596	0.0748	feature_map: 256 x 1	inch: 1	outch: 1		
ConvolutionDepthWise	444	0.2516	feature_map: 96 x 96	inch: 3	outch: 3	kernel: 3 x 3	stride: 2 x 2
BatchNorm	445_bn	0.01	feature_map: 48 x 48	inch: 3	outch: 3		

(' layer count = ', 210)
(' thread = ', 'k8s_pfld_dpdm-int8')

int8-float32-conv

laye_name	quantize	int8 Op cost	dequantize	float32 Op cost	float32 Op