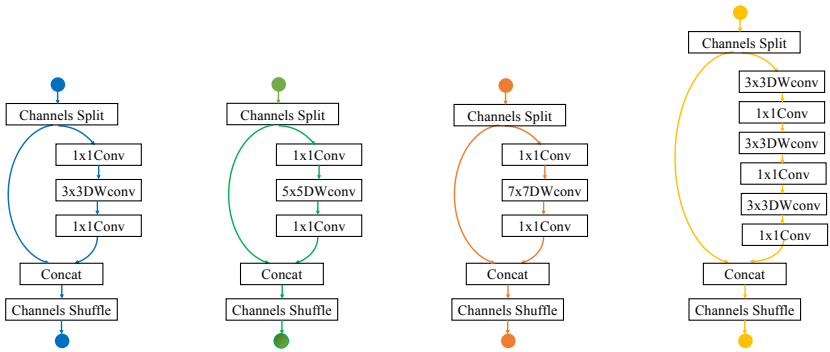
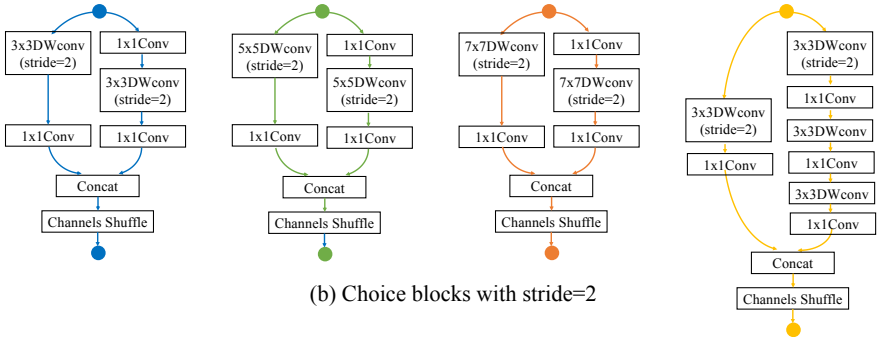


A Appendix



(a) Choice blocks with stride=1



(b) Choice blocks with stride=2

Fig. 1. Choice blocks. From left to right : *Choice_3*, *Choice_5*, *Choice_7*, *Choice_x*.

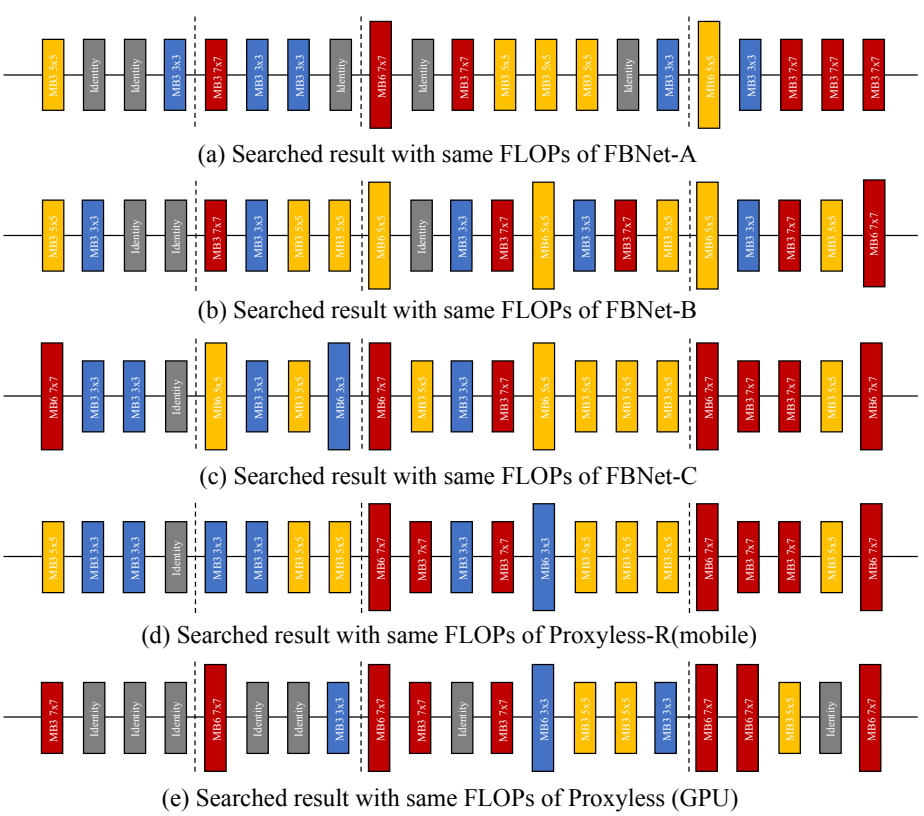


Fig. 3. Structures of searched architectures under FLOPs constraints by using *ProxylessNAS* search space.

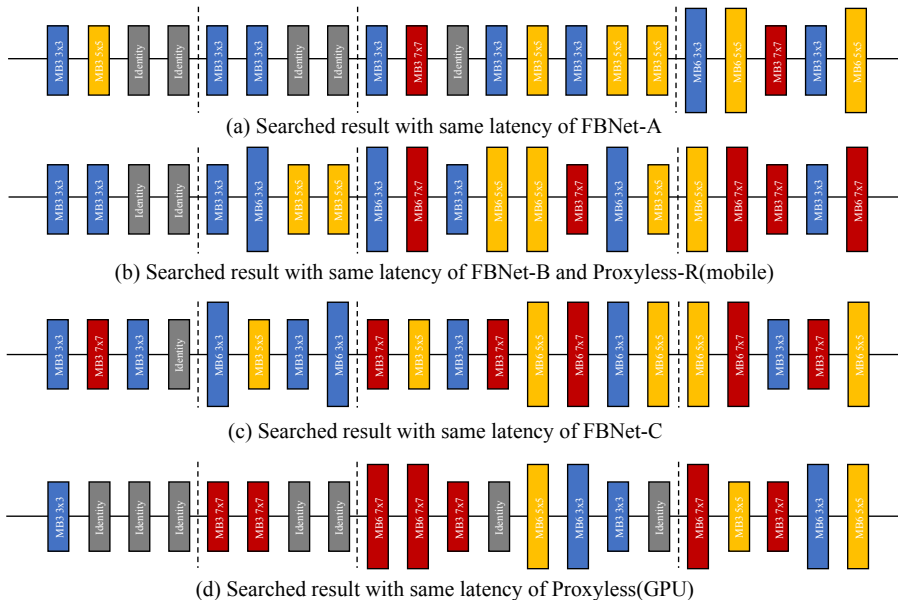


Fig. 4. Structures of searched architectures under GPU latency constraints by using *ProxylessNAS* search space.

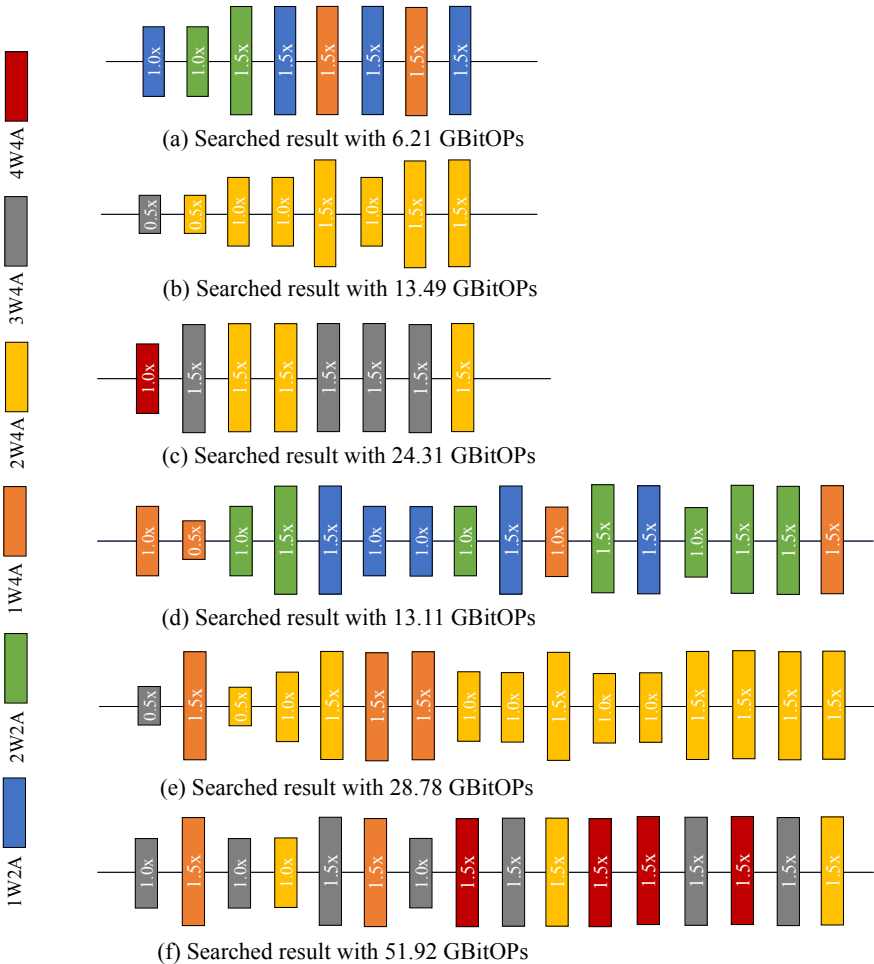


Fig. 5. Searched architectures of joint searching channel size and bit width under BitOPs constraints. (a) - (c) are searched based on Resnet18. (d) - (f) are searched based on Resnet34.