**TF\_FP format**

**Dataset:2**

**Intel**

#Pv\_vs\_wt\_intel\_tf\_fp, dataset\_2

**Precision vs Weight**

Weight: 64, 128, 192, 256, 320

Threshold: 0.5, 0.55, 0.6, 0.65, 0.7, 0.75, 0.8, 0.85, 0.9, 0.95

Precision Value: in range from 0.5 to 1

**Image size: 64**

For threshold 0.5 and 0.55

1. For threshold 0.5 the precision value is lowest for weight of 64.
2. For threshold 0.55 the precision value is lowest for weight of 192.
3. The precision value is highest for weight of 320 for both the thresholds.
4. For threshold 0.5 the precision value of weight 64 is almost equal to the precision value of weight 192.
5. For threshold 0.55 the precision value of weight of 64 is now almost equal to precision value of weight 128.
6. For threshold 0.55, the precision value of weight of 64 surpasses the precision value of weight of 192.
7. The precision value of all the weights is between 0.8 and 0.9.
8. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.6 and 0.65

1. The precision value is lowest for weight of 192 for both thresholds
2. The precision value is highest for weight of 320 for both thresholds
3. The precision value of weight 64 increased and is now approximately equal to 0.9.
4. For threshold 0.6 the precision value of 192 is now almost equal to precision value of weight 128.
5. For threshold 0.65, the precision value of weight of 128 surpasses the precision value of weight of 192.
6. The precision value of weight of 192 remains some-what similar for both the thresholds
7. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.7 and 0.75

1. The precision value is lowest for weight 128
2. The precision value is highest for weight of 320
3. For threshold 0.7 the precision value of 128 and 192 are almost equal
4. For thresholds 0.75 the precision value of weight of 192 surpasses the precision value of weight of 128
5. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.8 and 0.85

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 320.
3. The precision value of all the weights is above 0.9.
4. For threshold 0.85 the precision value of weight of 256 surpasses the precision value of weight of 192.
5. For thresholds 0.85 the precision value of weight of 320 is equal to 1.
6. The precision value of weight 64 is almost equal to precision value of weight 256.
7. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.9 and 0.95

1. For threshold 0.9, the precision value is lowest for weight 192
2. For threshold 0.95, all weights have a somewhat similar precision value that is equal to 1
3. For threshold 0.95 precision value of weight 128 is now equal to the precision values of weights 64 and 192
4. The precision value for all the weights increased, this means that the graph is shifting upwards.

**Overall Conclusion**:

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. Till threshold 0.7,minimum value of precision occurs at weight 192 but at 0.7 and after ,192 surpasses 128 and the precision value becomes minimum at weight 128.
3. The precision value overall remains lowest for weight of 192
4. The precision value overall remains highest for weight of 320

**Image size: 128**

For threshold 0.5 and 0.55

1. The precision value is lowest for weight 64.
2. The precision value is highest for weight of 256.
3. For threshold value 0.55, the precision value of weight of 192 is almost equal to precision value of weight of 256.
4. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.6 and 0.65

1. For threshold 0.6 the precision value is lowest for weight 192
2. For threshold 0.6 the precision value is highest for weight of 320
3. For threshold 0.65the precision value is lowest for weight 128
4. For threshold 0.65 the precision value is highest for weight of 256
5. For threshold value 0.65, the precision value of weight of 192 is almost equal to precision value of weight of 256.
6. For thresholds 0.65 the precision value of weight of 256 surpasses the precision value of weight of 320.
7. For thresholds 0.65 the precision value of weight of 192 surpasses the precision value of weight of 128.
8. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.7 and 0.75

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 256.
3. For both thresholds, the precision value of weight of 192 is almost equal to precision value of weight of 256.
4. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.8 and 0.85

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 192.
3. For both thresholds, the precision value of weight of 192 is almost equal to precision value of weight of 256.
4. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.9 and 0.95

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 192.
3. For 0.9 threshold, the precision value of weight of 192 is almost equal to precision value of weight of 320.
4. For 0.95 threshold, the precision value of weight of 64 is almost equal to precision value of weight of 192,weight of 256 and weight of 320 which is 1.
5. For 0.95 threshold, the precision value of weight of 128 and weight of 256 catches upto precision value 1.
6. The precision value for all the weights increased, this means that the graph is shifting upwards.

**Overall Conclusion**:

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. From threshold 0.55 to threshold 0.75, maximum value of precision occurs at weight 256 but at 0.8 it gets surpassed and precision value becomes maximum at weight 192.
3. The precision value overall remains lowest for weight of 128
4. The precision value overall remains highest for weight of 192 and weight of 256

**Image size: 192**

For threshold 05 and 055

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 256
3. The precision value for all the weights surpasses 0.7
4. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.6 and 0.65

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 256
3. For threshold 0.65 the precision value for all the weights surpasses 0.75
4. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.7 and 0.75

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 256.
3. For both thresholds,the precision value of weight of 64 almost equal to precision value weight of 192
4. The precision value of weight of 92 lies between the precision value of weight of 128 and the precision value of weight of 256
5. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.8 and 0.85

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 320.
3. For 0.8 thresholds, the precision value of weight of 320 is almost equal to precision value of weight of 256.
4. For both thresholds, the precision value of weight of 192 is almost equal to precision value of weight of 64.
5. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.9 and 0.95

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 320 and is equal to 1.
3. For 0.9 thresholds, the precision value of weight of 192 is almost equal to precision value of weight of 256.
4. For 0.95 thresholds, the precision value of weight of 192 is almost equal to precision value of weight of 256 as well as equal to the precision value of weight of 320.
5. For 0.95 thresholds, the precision value of weight of 128 catches upto the precision value 1.
6. The precision value for all the weights increased, this means that the graph is shifting upwards.

**Overall conclusion**:

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. Till threshold 0.8, maximum value of precision occurs at weight 256 but at 0.8 it gets surpassed and precision value becomes maximum at weight 320.
3. The precision value overall remains lowest for weight of 128
4. The precision value overall remains highest for weight of 256

**Image size: 256**

For threshold 0.5 and 0.55

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 320.
3. For both thresholds, the precision value of weight of 256 is almost equal to precision value of weight of 320.
4. The precision value for all weights is above 0.7.
5. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.6 and 0.65

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 320.
3. For both thresholds, the precision value of weight of 192 is almost equal to precision value of weight of 256
4. For threshold 0.65 the precision value for all weights is above 0.75.
5. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.7 and 0.75

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 320.
3. For 0.7 threshold , the precision value of weight of 192 is almost equal to precision value of weight of 256
4. For 0.75 threshold, the precision value for all weights surpasses 0.8.
5. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.8 and 0.85

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 192.
3. For 0.8 threshold, the precision value of weight of 192 is almost equal to precision value of weight of 320
4. For thresholds 0.85 the precision value of weight of 192 slightly surpasses the precision value of weight of 320 to reach precision value 1
5. For 0.85 threshold, the precision value for all weights surpasses 0.9.
6. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.9 and 0.95

1. For threshold 0.9 the precision value is lowest for weight 128.
2. For threshold 0.9 the precision value is highest for weight of 192.
3. For threshold 0.95 the precision value of all weights same equal to 1.
4. For 0.95 threshold, the precision value of weight of 64,the precision value of weight 128 and the precision value of weight 256 all catch upto precision value 1.
5. The precision value for all the weights increased, this means that the graph is shifting upwards.

**Overall Conclusion**:

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. Till threshold 0.75, maximum value of precision occurs at weight 320 but at 0.8 it gets surpassed and precision value becomes maximum at weight 192.
3. The precision value overall remains lowest for weight of 128
4. The precision value overall remains highest for weight of 320

**Image size: 320**

For threshold 0.5 and 0.55

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 256
3. For 0.55 threshold, the precision value of weight of 192 is almost equal to precision value of weight of 320.
4. The precision value for all weights is above 0.7.
5. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.6 and 0.65

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 256
3. For 0.65 threshold the precision value for all weights is above 0.75
4. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.7 and 0.75

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 256.
3. The precision value of 256 is 1.
4. For 0.75 threshold the precision value for all weights is above 0.8
5. For both thresholds, the precision value of weight of 192 almost equal to precision value of weight of 320
6. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.8 and 0.85

1. The precision value is lowest for weight 128.
2. The precision value is highest for weight of 256.
3. The precision value of 256 is 1.
4. For 0.85 threshold the precision value for all weights surpasses 0.9
5. For 0.85 threshold, the precision value of weight of 64 almost equal to precision value of weight of 320
6. The precision value for all the weights increased, this means that the graph is shifting upwards.

For threshold 0.9 and 0.95

1. For 0.9 threshold the precision value is lowest for weight 128.
2. For 0.95 threshold the precision value is lowest for weight 64.
3. For 0.90 threshold, the precision value of weight of 192 almost equal to precision value of weight of 256
4. For thresholds 0.95 the precision value of weight of 128 surpasses the precision value of weight of 64
5. For thresholds 0.95 the precision value of weight of 128 is equal to the precision value of weight of 192,weight of 256 and of weight 320 all equal to 1.
6. The precision value for all the weights increased, this means that the graph is shifting upwards.

**Overall Conclusion**:

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. The precision value overall remains lowest for weight of 128
3. The precision value overall remains highest for weight of 256

**Final Conclusion:**

1. In general, performance of weight of 128 is weakest.
2. In general, performance of weight of 320 is best.

**F1 value vs Weight**

Weights: 64, 128, 192, 256, 320 (for tf-fp)

Threshold: 0.5, 0.55, 0.6, 0.65, 0.7, 0.75, 0.8, 0.85, 0.9, 0.95

F1 Value: Between 0.5 to 1.

**Image Size: 64**

For threshold 0.5 and 0.55

1. The F1 value for both the weights 64 and 192 are almost equal and lowest.
2. The F1 value is highest for weight of 320.
3. The F1 value for both the weights 128 and 256 are almost equal and value is in between the f1 value of weight 64 and 320
4. At threshold 0.55 f1 value of weight 64 surpasses the f1 value of weight 192 and is almost equal to the f1 value of weight 128.

For threshold 0.6 and 0.65

1. The F1 value is lowest for weight of 192.
2. The F1 values of weights of 128 and 256 are almost equal.
3. The F1 value of weight 64 surpasses the F1 value of weight 128 and is almost equal to the f1 value of weight 320.
4. The F1 value is highest for weight of 320.
5. As threshold is increasing, F1 value for all the weights are also increasing.

For threshold 0.7 and 0.75

1. At threshold 0.7, F1 value for both the weights 128 and 192 are almost equal and lowest.
2. The F1 values of weight 256 surpasses the F1 value of weight 128.
3. At threshold 0.75, F1 value for weight 192 surpasses the F1 value of weight 128.
4. At threshold 0.75, F1 value for weight 64,256 and 192 are almost equal.
5. F1 value is highest for weight 320.
6. F1 value is lowest for weight 128.

For threshold 0.8 and 0.85

1. F1 value is highest for weight 320.
2. F1 value is lowest for weight 128.
3. The F1 values of weight 64 surpasses the F1 value of weight 192.
4. As threshold value is increasing, F1 value for all the weights are also increasing.
5. As F1 value for all the weights are increasing it means that the graph is shifting upwards.
6. All the F1 value lies above 0.95.

**Image Size: 128**

For threshold 0.5 and 0.55

1. The F1 value is lowest for weight 64.
2. The F1 value for both weights 192 and 256 are almost equal and highest.
3. The F1 values for weights of 128 lies between the F1 value of weight 64 and 320.

For threshold 0.6 and 0.65

1. At threshold 0.6, F1 value is lowest for weight 64.
2. At threshold 0.65, the F1 value for both the weights, 64 and 128 are equal.
3. The F1 value for both weights 192 and 256 are almost equal and highest.
4. As threshold is increasing, F1 value for all the weights are also increasing.

For threshold 0.7 and 0.75

1. The F1 values of weight 64 surpasses the F1 value of weight 128.
2. The F1 value is lowest for weight 128.
3. The F1 value for both weights 192 and 256 are almost equal and highest.
4. As threshold is increasing, F1 value for all the weights are also increasing.
5. As F1 value for all the weights are increasing it means that the graph is shifting upwards.

For threshold 0.8 and 0.85

1. The F1 value is lowest for weight 128.
2. The F1 value for both weights 192 and 256 are almost equal and highest.
3. At threshold 0.85, F1 value for both the weight 64 and 320 are equal.
4. As threshold is increasing, F1 value for all the weights are also increasing.
5. As F1 value for all the weights are increasing it means that the graph is shifting upwards.
6. All the F1 value lies above 0.95.

**Overall conclusion:**

1. Till threshold 0.6, F1 value is lowest for weight 64, at threshold 0.65 F1 value for both the weights 64 and 128 are equal and after threshold 0.65, F1 value is lowest for weight of 128.
2. The F1 value for both weights 192 and 256 are almost equal and highest.

**Image Size: 192**

For threshold 0.5 and 0.55

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 value for weight of 64 lies between the F1 value of weight 128 and 192.
4. The F1 value for weight of 192 lies between the F1 value of weight 64 and 320.
5. The F1 value for weight of 320 lies between the F1 value of weight 192 and 256.

For threshold 0.6 and 0.65

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 value for weight of 192 lies between the F1 value of weight 64 and 320.
4. The F1 value for weight of 320 lies between the F1 value of weight 192 and 256.
5. As threshold is increasing, F1 value for all the weights are also increasing

For threshold 0.7 and 0.75

1. At threshold 0.7, F1 value for both the weight 64 and 192 are equal.
2. At threshold 0.75, F1 values of weight 64 surpasses the F1 value of weight 192.
3. The F1 value is lowest for weight of 128.
4. The F1 value is highest for weight of 256.
5. The F1 value for weight of 320 lies between the F1 value of weight 192 and 256.

For threshold 0.8 and 0.85

1. F1 value for both the weight 64 and 192 are equal.
2. At threshold 0.8, F1 value for both the weight 256 and 320 are equal.
3. At threshold 0.85, F1 values of weight 320 surpasses the F1 value of weight 256.
4. The F1 value is lowest for weight of 128.
5. The F1 value is highest for weight of 320.
6. As F1 value for all the weights are increasing it means that the graph is shifting upwards.
7. All the F1 value lies above 0.95.

**Overall conclusion**:

1. F1 value is lowest for weight 128
2. And F1 value is highest for weight 256.

**Image Size: 256**

For threshold 0.5 and 0.55

1. The F1 value is lowest for weight of128.
2. The F1 value is highest for weight of 320.
3. The F1 value for weight of 256 lies between the F1 value of weight 192 and 320.
4. The F1 value for weight of 64 lies between the F1 value of weight 128 and 192.
5. The F1 value for weight of 192 lies between the F1 value of weight 64 and 256.

For threshold 0.6 and 0.65

1. The F1 value is lowest for weight of 128.
2. F1 value is highest for weight of 320.
3. At threshold 0.65, F1 value for both the weight 192 and 256 are equal.
4. The F1 value for weight of 64 lies between the F1 value of weight 128 and 192.
5. As threshold is increasing, F1 value for all the weights are also increasing.

For threshold 0.7 and 0.75

1. The F1 value is lowest for weight of 128.
2. F1 value is highest for weight of 320.
3. At threshold 0.7, F1 value for both the weight 256 and 192 are equal.
4. At threshold 0.75, F1 values of weight 192 surpasses the F1 value of weight 256.
5. At threshold 0.75, F1 value for both the weight 192 and 320 are equal.
6. The F1 value for weight of 64 lies between the F1 value of weight 128 and 256.

For threshold 0.8 and 0.85

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 192.
3. At threshold 0.8, F1 value is for weight of 256 surpasses the F1 value for weight 320.
4. At threshold 0.85, F1 value for both the weight 256 and 320 almost reaches to 1.
5. As F1 value for all the weights are increasing it means that the graph is shifting upwards.
6. All the F1 value lies above 0.95.

**Overall conclusion:**

1. F1 value is lowest for weight 128
2. And F1 value is highest for weight 320.

**Image Size: 320**

For threshold 0.5 and 0.55

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 values for weights of 192 and 320 are almost equal.
4. The F1 value for weight of 64lies between the F1 value of weight 128 and 192.

For threshold 0.6 and 0.65

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 values for weights of 192 and 320 are almost equal.
4. The F1 value for weight of 64 lies between the F1 value of weight 128 and 192.
5. As threshold is increasing, F1 value for all the weights are also increasing.

For threshold 0.7 and 0.75

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 values of weight 192 surpasses the F1 value of weight 320.
4. The F1 value for weight of 64 lies between the F1 value of weight 128 and 320.
5. As threshold is increasing, F1 value for all the weights are also increasing.

For threshold 0.8 and 0.85

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 value of weight 256 reaches to 1
4. At threshold 0.85, F1 value for weight 64 and 320 are equal.
5. As threshold is increasing, F1 value for all the weights are also increasing.

**Overall conclusion**:

1. F1 value is lowest for weight 128
2. And F1 value is highest for weight 256.

**Final conclusion**:

1. In general, performance of weight 128 is weakest.
2. In general, performance of weight 320 is best.

**RPI**

**Precision vs Weight**

**Weights: 64, 128,192,256, 320**

**Threshold: 0.5, 0.55, 0.6, 0.65, 0.7, 0.75, 0.8, 0.85, 0.9, 0.95**

**Image Size =64**

For threshold: 0.5 to 0.55

1. At threshold 0.5, precision value at weight 64 and 192 are comparable to each other (which is lowest at that 0.5 threshold.
2. At threshold 0.55, precision value at weight 64 and 128 are comparable to each other.
3. At threshold 0.55, the precision value becomes lowest for weight 192.
4. The highest precision value occurs at weight 320.
5. Graph shifts upwards slightly.

For threshold: 0.6 to 0.65

1. At threshold 0.6, precision value at weight 128 and 192 are comparable to each other (which is lowest at that 0.6 threshold.
2. At threshold 0.65, the precision value becomes lowest for weight 192.
3. The highest precision value occurs at weight 320.
4. Nature of graph remains same; just it shifts upwards slightly.

For threshold: 0.7 to 0.75

1. At threshold 0.7, precision value at weight 128 and 192 are comparable to each other (which is lowest at that 0.6 threshold.
2. At threshold 0.75, the precision value becomes lowest for weight 128.
3. The highest precision value occurs at weight 320.
4. The precision value at weight 64 and 256 are comparable to each other
5. Graph shifts upwards slightly.

For threshold: 0.8 to 0.85

1. The lowest precision value occurs at weight 128.
2. The highest precision value at weight 320.
3. The precision value at weight 64 and 256 are comparable to each other.
4. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.9 to 0.95

1) Precision value becomes 1 for all weights at threshold 0.95.

2) At threshold 0.9, the Precision value is minimum at weight 128.

3) At threshold 0.95, the graph becomes a straight line.

**Overall Conclusion**

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. Till threshold equal to 0.65, the minimum Precision value occurs at weight 192; at 0.7 thresholds the precision value becomes comparable and above threshold value of 0.75, it occurs at weight 128.
3. Precision value occurs maximum at weight 320 for all values of threshold.
4. Maximum value of Precision value is 1 which occurs at threshold 0.95.
5. Minimum value of Precision value is 0.81 which occurs at threshold 0.5.

**Image Size =128**

For threshold: 0.5 to 0.55

1)he lowest precision value occurs at weight 64.

1. The highest precision value at weight 256.
2. Precision value at weight 192 and 256 are comparable to each other.
3. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.6 to 0.65

1. At threshold 0.6, precision value at weight 64 and 128 are comparable to each other (which is lowest at that 0.6 threshold.
2. At threshold 0.65, the precision value becomes lowest for weight 128.
3. At threshold 0.6, The precision value at weight 192 and 256 are comparable to each other (which is highest in this range of threshold).
4. Nature of graph remains same; just it shifts upwards slightly.

For threshold: 0.7 to 0.75

1. The lowest precision value occurs at weight 128.
2. The precision value at weight 192 and 256 are comparable to each other (which is highest in this range of threshold).
3. Nature of graph remains same; just it shifts upwards slightly.

For threshold: 0.8 to 0.85

1. The lowest precision value occurs at weight 128.
2. The precision value at weight 192 and 256 are comparable to each other (which is highest in this range of threshold).
3. Nature of graph remains same; just it shifts upwards slightly.

For threshold: 0.9 to 0.95

1) Precision value becomes 1 for all weights at threshold 0.95.

2) At threshold 0.9, the Precision value is minimum at weight 128.

3) At threshold 0.95, the graph becomes a straight line.

**Overall Conclusion**

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. Maximum value of precision value is 1 which occurs at threshold 0.95.
3. Minimum value of precision value is 0.79 which occurs at threshold 0.5.
4. Precision value is lowest at weight 64 for all threshold values.
5. Till threshold 0.6, minimum precision value occurs at weight 64 but above it, minimal precision value occurs at weight 128.

**Image Size =192**

For threshold: 0.5 to 0.55

1. The lowest precision value occurs at weight 128.
2. The highest precision value occurs at weight 256.
3. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.6 to 0.65

1. The lowest precision value occurs at weight 128.
2. The highest precision value occurs at weight 256.
3. Nature of the graph remains the same; just it shifts upwards slightly.
4. The precision value at weight 64 is less than that at 192.

For threshold: 0.7 to 0.75

1. The lowest precision value occurs at weight 128.
2. The highest precision value occurs at weight 256.
3. Nature of the graph remains the same; just it shifts upwards slightly.
4. The precision value at weight 64 and 192 are comparable to each other.

For threshold: 0.8 to 0.85

1. The lowest precision value occurs at weight 128.
2. The precision value at weight 64 and 256 are comparable to each other.
3. The highest precision value occurs at weight 320.
4. At threshold 0.8, the precision value at weight 256 and 320 are comparable to each other.

For threshold: 0.9 to 0.95

1) Precision value becomes 1 for all weights at threshold 0.95.

2) At threshold 0.9, the Precision value is minimum at weight 128.

3) At threshold 0.95, the graph becomes a straight line.

**Overall Conclusion**

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. Maximum value of precision value is 1 which occurs at threshold 0.95.
3. Minimum value of precision value is 0.75 which occurs at threshold 0.5.
4. Till threshold 0.75, maximum precision value occurs at weight 256 but at 0.8 it gets surpassed and precision value becomes maximum at weight 320.
5. Minimum precision value occurs at weight 128 for all threashold values.

**Image Size =256**

For threshold: 0.5 to 0.55

1. The lowest precision value occurs at weight 128.
2. The highest precision value occurs at weight 320.
3. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.6 to 0.65

1. The lowest precision value occurs at weight 128.
2. The highest precision value occurs at weight 320.
3. The precision value becomes linear from weight 192 to 320 at threshold 0.65.
4. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.7 to 0.75

1. The lowest precision value occurs at weight 128.
2. The highest precision value occurs at weight 320.
3. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.8 to 0.85

1. The lowest precision value occurs at weight 128.
2. The highest precision value occurs at weight 192.
3. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.9 to 0.95

1) Precision value becomes 1 for all weights at threshold 0.95.

2) At threshold 0.9, the Precision value is minimum at weight 128.

3) At threshold 0.95, the graph becomes a straight line.

**Overall Conclusion**

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. Maximum value of precision value is 1 which occurs at threshold 0.95.
3. Minimum value of precision value is 0.72 which occurs at threshold 0.5.
4. Minimum precision value occurs for weight 128 for all threshold values.
5. Till threshold 0.75, maximum value of precision value occurs at weight 320 but at 0.8 it gets surpassed and precision value becomes maximum at weight 192.

**Image Size =320**

For threshold: 0.5 to 0.55

1. The lowest precision value occurs at weight 128.
2. The highest precision value occurs at weight 256.
3. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.6 to 0.65

1. The lowest precision value occurs at weight 128.
2. The highest precision value occurs at weight 256.
3. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.7 to 0.75

1. The lowest precision value occurs at weight 128.
2. The highest precision value occurs at weight 256.
3. Nature of the graph remains the same; just it shifts upwards slightly.
4. Precision value at weight 192 and 320 are comparable to each other.

For threshold: 0.8 to 0.85

1. The lowest precision value occurs at weight 128.
2. The highest precision value occurs at weight 256.
3. Nature of the graph remains the same; just it shifts upwards slightly.
4. Precision value at weight 192 and 320 are comparable to each other.

For threshold: 0.9 to 0.95

1) Precision value becomes 1 for all weights at threshold 0.95.

2) At threshold 0.9, the Precision value is minimum at weight 128.

3) At threshold 0.95, the graph becomes a straight line.

4) Precision value at weight 192 and 320 are comparable to each other.

**Overall Conclusion**

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. Maximum value of precision value is 1 which occurs at threshold 0.95.
3. Minimum value of precision value is 0.7 which occurs at threshold 0.5.
4. Minimum precision value occurs for weight 128 for all threshold values.
5. Maximum precision value occurs for weight 256 for all threshold values.

**Final Conclusion:**

1. Nature of graphs may vary but always the whole graph shifts upwards with the increasing value of the threshold.
2. In general, the performance at weight 320 is best.

**F1 value vs Weight**

Weights: 64, 128, 192, 256, 320 (for tffp)

Threshold: 0.5, 0.55, 0.6, 0.65, 0.7, 0.75, 0.8, 0.85, 0.9, 0.95

F1 Value: Between 0.5 to 1.

**Image Size: 64**

**For threshold 0.5 and 0.55**

1. The F1 value for both the weights 64 and 192 are almost equal and lowest.
2. The F1 value is highest for weight of 320.
3. The F1 value for both the weights 128 and 256 are almost equal and value is in between the f1 value of weight 64 and 320
4. At threshold 0.55 f1 value of weight 64 surpasses the f1 value of weight 192 and is almost equal to the f1 value of weight 128.

**For threshold 0.6 and 0.65**

1. The F1 value is lowest for weight of 192.
2. The F1 values of weights of 128 and 256 are almost equal.
3. The F1 value of weight 64 surpasses the F1 value of weight 128
4. At threshold 0.65, F1 value of weight 128 is almost equal to the f1 value of weight 320.
5. The F1 value is highest for weight of 320.
6. As threshold is increasing, F1 value for all the weights are also increasing.

**For threshold 0.7 and 0.75**

1. At threshold 0.7, F1 value for both the weights 128 and 192 are almost equal and lowest.
2. The F1 values of weight 256 surpasses the F1 value of weight 128.
3. At threshold 0.75, F1 value for weight 192 surpasses the F1 value of weight 128.
4. At threshold 0.75, F1 value for weight 64,256 and 192 are almost equal.
5. F1 value is highest for weight 320.
6. F1 value is lowest for weight 128.

**For threshold 0.8 and 0.85**

1. F1 value is highest for weight 320.
2. F1 value is lowest for weight 128.
3. The F1 values of weight 64 surpasses the F1 value of weight 192.
4. As threshold value is increasing, F1 value for all the weights are also increasing.
5. As F1 value for all the weights are increasing it means that the graph is shifting upwards.
6. All the F1 value lies above 0.95.

**Overall conclusion:**

1. For threshold 0.5, F1 value for both the weights 64 and 192 are almost equal and lowest and after that till threshold 0.65, F1 value is lowest for weight 192.
2. At threshold 0.7, F1 value for both the weights 128 and 192 are almost equal and lowest and after that F1 value is lowest for weight 128.

**Image Size: 128**

**For threshold 0.5 and 0.55**

1. The F1 value is lowest for weight 64.
2. The F1 value for both weights 192 and 256 are almost equal and highest.
3. The F1 values for weights of 128 lies between the F1 value of weight 64 and 320.

**For threshold 0.6 and 0.65**

1. At threshold 0.6, F1 value is lowest for weight 64.
2. At threshold 0.65, the F1 value for both the weights, 64 and 128 are equal.
3. The F1 value for both weights 192 and 256 are almost equal and highest.
4. As threshold is increasing, F1 value for all the weights are also increasing.

**For threshold 0.7 and 0.75**

1. The F1 values of weight 64 surpasses the F1 value of weight 128.
2. The F1 value is lowest for weight 128.
3. The F1 value for both weights 192 and 256 are almost equal and highest.
4. As threshold is increasing, F1 value for all the weights are also increasing.
5. As F1 value for all the weights are increasing it means that the graph is shifting upwards.

**For threshold 0.8 and 0.85**

1. The F1 value is lowest for weight 128.
2. The F1 value for both weights 192 and 256 are almost equal and highest.
3. At threshold 0.85, F1 value for both the weight 64 and 320 are equal.
4. As threshold is increasing, F1 value for all the weights are also increasing.
5. As F1 value for all the weights are increasing it means that the graph is shifting upwards.
6. All the F1 value lies above 0.95.

**Overall conclusion:**

1. Till threshold 0.6, F1 value is lowest for weight 64, at threshold 0.65 F1 value for both the weights 64 and 128 are equal and after threshold 0.65, F1 value is lowest for weight of 128.
2. The F1 value for both weights 192 and 256 are almost equal and highest.

**Image Size: 192**

**For threshold 0.5 and 0.55**

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 value for weight of 64 lies between the F1 value of weight 128 and 192.
4. The F1 value for weight of 192 lies between the F1 value of weight 64 and 320.
5. The F1 value for weight of 320 lies between the F1 value of weight 192 and 256.

**For threshold 0.6 and 0.65**

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 value for weight of 192 lies between the F1 value of weight 64 and 320.
4. The F1 value for weight of 320 lies between the F1 value of weight 192 and 256.
5. As threshold is increasing, F1 value for all the weights are also increasing

**For threshold 0.7 and 0.75**

1. At threshold 0.7, F1 value for both the weight 64 and 192 are equal.
2. At threshold 0.75, F1 values of weight 64 surpasses the F1 value of weight 192.
3. The F1 value is lowest for weight of 128.
4. The F1 value is highest for weight of 256.
5. The F1 value for weight of 320 lies between the F1 value of weight 192 and 256.

**For threshold 0.8 and 0.85**

1. At threshold 0.8, F1 value for both the weight 256 and 320 are equal.
2. At threshold 0.85, F1 values of weight 320 surpasses the F1 value of weight 256.
3. At threshold 0.85, F1 value for both the weight 64 and 192 are almost equal.
4. The F1 value is lowest for weight of 128.
5. The F1 value is highest for weight of 320.
6. As F1 value for all the weights are increasing it means that the graph is shifting upwards.
7. All the F1 value lies above 0.95.

**Overall conclusion:**

1. F1 value is lowest for weight 128
2. And Till threshold 0.8, F1 value is highest for weight 256 and after that F1 value is highest for weight 320.

**Image Size: 256**

**For threshold 0.5 and 0.55**

1. The F1 value is lowest for weight of128.
2. The F1 value is highest for weight of 320.
3. The F1 value for weight of 256 lies between the F1 value of weight 192 and 320.
4. The F1 value for weight of 64 lies between the F1 value of weight 128 and 192.
5. The F1 value for weight of 192 lies between the F1 value of weight 64 and 256.

**For threshold 0.6 and 0.65**

1. The F1 value is lowest for weight of 128.
2. F1 value is highest for weight of 320.
3. At threshold 0.65, F1 value for both the weight 192 and 256 are almost equal.
4. The F1 value for weight of 64 lies between the F1 value of weight 128 and 192.
5. As threshold is increasing, F1 value for all the weights are also increasing.

**For threshold 0.7 and 0.75**

1. The F1 value is lowest for weight of 128.
2. F1 value is highest for weight of 320.
3. At threshold 0.7, F1 value for both the weight 256 and 192 are equal.
4. At threshold 0.75, F1 values of weight 192 surpasses the F1 value of weight 256.
5. At threshold 0.75, F1 value for both the weight 192 and 320 are almost equal.
6. The F1 value for weight of 64 lies between the F1 value of weight 128 and 256.

**For threshold 0.8 and 0.85**

1. The F1 value is lowest for weight of 128.
2. At threshold 0.8, F1 value for weight of 192 surpasses the F1 value for weight 320.
3. The F1 value is highest for weight of 192.
4. At threshold 0.85, F1 value for both the weight 192 and 320 almost reaches to 1.
5. As F1 value for all the weights are increasing it means that the graph is shifting upwards.
6. All the F1 value lies above 0.95.

**Overall conclusion:**

1. F1 value is lowest for weight 128
2. Till threshold 0.75, F1 value is highest for weight 320 and after that F1 value is highest for weight 192

**Image Size: 320**

**For threshold 0.5 and 0.55**

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 values for weights of 192 and 320 are almost equal.
4. The F1 value for weight of 64 lies between the F1 value of weight 128 and 192.

**For threshold 0.6 and 0.65**

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 values for weights of 192 and 320 are almost equal.
4. The F1 value for weight of 64 lies between the F1 value of weight 128 and 192.
5. As threshold is increasing, F1 value for all the weights are also increasing.

**For threshold 0.7 and 0.75**

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 values of weight 192 surpasses the F1 value of weight 320.
4. The F1 value for weight of 64 lies between the F1 value of weight 128 and 320.
5. At threshold 0.75, F1 value of weight 256 reaches to 1
6. As threshold is increasing, F1 value for all the weights are also increasing.

**For threshold 0.8 and 0.85**

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. At threshold 0.85, F1 value for weight 64 and 320 are equal.
4. All the F1 value lies above 0.95..
5. As threshold is increasing, F1 value for all the weights are also increasing.

**Overall conclusion:**

1. F1 value is lowest for weight 128
2. And F1 value is highest for weight 256.

**Final conclusion:**

1. In general, performance of weight 128 is weakest.
2. In general, performance of weight 256 is best.

**Jetson**

**Precision vs Weight**

**Weights: 64, 128, 192, 256 ,320**

**Threshold: 0.5, 0.55, 0.6, 0.65, 0.7, 0.75, 0.8, 0.85, 0.9, 0.95**

**Image Size =64**

For threshold: 0.5 to 0.55

1. At threshold 0.5, precision value at weight 64 and 192 are comparable to each other and lowest
2. At threshold 0.55, precision value at weight 64 and 128 are comparable to each other.
3. At threshold 0.55, the precision value becomes lowest for weight 192.
4. The highest precision value occurs at weight 320 for both thresholds.
5. Graph shifts upwards slightly.

For threshold: 0.6 to 0.65

1. At threshold 0.6, precision value at weight 128 and 192 are comparable to each other and lowest
2. At threshold 0.65, the precision value becomes lowest for weight 192.
3. The highest precision value occurs at weight 320 for both thresholds.
4. Nature of graph remains same; just it shifts upwards slightly.

For threshold: 0.7 to 0.75

1. At threshold 0.7, precision value at weight 128 and 192 are comparable to each other and lowest
2. At threshold 0.75, the precision value becomes lowest for weight 128.
3. The highest precision value occurs at weight 320 for both thresholds
4. The precision value at weight 64 and 256 are comparable to each other at both thresholds
5. Graph shifts upwards slightly.

For threshold: 0.8 to 0.85

1. The lowest precision value occurs at weight 128 for both thresholds.
2. The highest precision value at weight 320 for both thresholds and for threshold 0.85 it is 1
3. At threshold 0.8, The precision value at weight 64 and 256 are comparable to each other.
4. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.9 to 0.95

1. Precision value becomes 1 for all weights at threshold 0.95.
2. At threshold 0.9, the Precision value is minimum at weight 128 and rest of the weights have precision value 1.
3. At threshold 0.95, the graph becomes a straight line.

**Overall Conclusion**

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. Till threshold equal to 0.65, the minimum Precision value occurs at weight 192; at 0.7 threshold the precision value becomes comparable and above threshold value of 0.75, it occurs at weight 128.
3. Precision value occurs maximum at weight 320 for all values of threshold.
4. Maximum value of Precision value is 1 which occurs at threshold 0.95.
5. Minimum value of Precision value is 0.81 which occurs at threshold 0.5.

**Image Size =128**

For threshold: 0.5 to 0.55

1. The lowest precision value occurs at weight 64 at both thresholds.
2. The highest precision value at weight 256 for both thresholds.
3. Precision value at weight 192 and 256 are comparable to each other both thresholds.
4. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.6 to 0.65

1. At threshold 0.6, precision value at weight 64 is lowest.
2. At threshold 0.65, the precision value becomes lowest for weight 128 so the precision value for weight 64 has surpassed the precision value for weight 128.
3. At both thresholds, the precision value at weight 192 and 256 are comparable to each other and highest.
4. Nature of graph remains same; just it shifts upwards slightly.

For threshold: 0.7 to 0.75

1. The lowest precision value occurs at weight 128 for both thresholds.
2. The precision value at weight 192 and 256 are comparable to each other and highest for both thresholds.
3. Nature of graph remains same; just it shifts upwards slightly.

For threshold: 0.8 to 0.85

1. The lowest precision value occurs at weight 128 for both thresholds.
2. The precision value at weight 192 and 256 are comparable to each other and highest for both thresholds.
3. Nature of graph remains same; just it shifts upwards slightly.

For threshold: 0.9 to 0.95

1. Precision value becomes 1 for all weights at threshold 0.95.
2. At threshold 0.9, the Precision value is minimum at weight 128.
3. At threshold 0.9, the precision value for weight 64 and 256 are almost similar and second lowest
4. For threshold 0.9, precision value is highest for weight 192 and 320 so good results will be generated at these weights
5. At threshold 0.95, the graph becomes a straight line.

**Overall Conclusion**

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. For threshold 0.5 to 0.6, precision value is lowest for weight 64 so bad results will be generated at weight 64
3. For thresholds 0.65 to 0.9, precision value is lowest for weight 128 so bad results will be generated at weight 128
4. For thresholds 0.5 to 0.85, precision value is highest for weights 192 and 256 so good results will be generated at these weights
5. For threshold 0.9, precision value is highest for weight 192 and 320 so good results will be generated at these weights
6. At 0.95 threshold, graph is horizontal straight line with precision value 1 for all weights

**Image Size =192**

For threshold: 0.5 to 0.55

1. The lowest precision value occurs at weight 128 for both thresholds.
2. The highest precision value occurs at weight 256 for both thresholds.
3. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.6 to 0.65

1. The lowest precision value occurs at weight 128 for both thresholds.
2. The highest precision value occurs at weight 256 for both thresholds.
3. Nature of the graph remains the same; just it shifts upwards slightly.
4. The precision value at weight 64 is less than that at 192.

For threshold: 0.7 to 0.75

1. The lowest precision value occurs at weight 128 for both thresholds.
2. The highest precision value occurs at weight 256 for both thresholds.
3. Nature of the graph remains the same; just it shifts upwards slightly.
4. The precision value at weight 64 and 192 are comparable to each other.

For threshold: 0.8 to 0.85

1. The lowest precision value occurs at weight 128 for both thresholds.
2. The precision value at weight 64 and 192 are comparable to each other.
3. The highest precision value occurs at weight 320 for threshold 0.85.
4. At threshold 0.8, the precision value at weight 256 and 320 are comparable to each other and highest.

For threshold: 0.9 to 0.95

1. Precision value becomes 1 for all weights at threshold 0.95.
2. At threshold 0.9, the Precision value is minimum at weight 128.
3. For threshold 0.9, precision value is highest for weight 320
4. At threshold 0.95, the graph becomes a straight line.

**Overall Conclusion**

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. For thresholds 0.5 to 0.9, precision value is lowest for weight 128 so bad results will be generated at weight 128
3. For thresholds 0.5 to 0.75, precision value is highest for weight 256 so good results will be generated at weight 256
4. For thresholds 0.8, precision value is highest for weight 256 and 320 so good results will be generated at these weights
5. For threshold 0.85 and 0.9, precision value is highest for weight 320 so good results will be generated at weight 320
6. At threshold 0.95, graph is horizontal straight line with precision value 1 for all weights

**Image Size =256**

For threshold: 0.5 to 0.55

1. The lowest precision value occurs at weight 128 for both thresholds.
2. The highest precision value occurs at weight 320 for both thresholds.
3. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.6 to 0.65

1. The lowest precision value occurs at weight 128 for both thresholds
2. The highest precision value occurs at weight 320 for both thresholds.
3. The precision value becomes linear from weight 192 to 320 at threshold 0.65.
4. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.7 to 0.75

1. The lowest precision value occurs at weight 128 for both thresholds.
2. The highest precision value occurs at weight 320 for both thresholds.
3. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.8 to 0.85

1. The lowest precision value occurs at weight 128 for both thresholds.
2. The highest precision value occurs at weight 192 for both thresholds.
3. Precision value for weight 192 has surpassed the precision value for weight 320.
4. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.9 to 0.95

1. Precision value becomes 1 for all weights at threshold 0.95.
2. At threshold 0.9, the Precision value is minimum at weight 128.
3. At threshold 0.9, precision value is highest for weight 192
4. At threshold 0.95, the graph becomes a straight line.

**Overall Conclusion**

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. For thresholds 0.5 to 0.9, precision value is lowest for weight 128 so bad results will be generated at weight 128
3. For thresholds 0.5 to 0.75, precision value is highest for weight 320 so good results will be generated at weight 320
4. For thresholds 0.8 to 0.9, precision value is highest at weight 192 so good results will be generated at weight 192
5. At threshold 0.95, precision value for all weights is 1 so graph is horizontal straight line

**Image Size =320**

For threshold: 0.5 to 0.55

1. The lowest precision value occurs at weight 128 for both thresholds.
2. The highest precision value occurs at weight 256 for both thresholds.
3. Precision value at weights 192 and 320 are comparable
4. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.6 to 0.65

1. The lowest precision value occurs at weight 128 for both thresholds.
2. The highest precision value occurs at weight 256 for both thresholds.
3. Precision value at weights 192 and 320 are comparable
4. Nature of the graph remains the same; just it shifts upwards slightly.

For threshold: 0.7 to 0.75

1. The lowest precision value occurs at weight 128 for both thresholds.
2. The highest precision value occurs at weight 256 for both thresholds.
3. Nature of the graph remains the same; just it shifts upwards slightly.
4. Precision value at weight 192 and 320 are comparable to each other.

For threshold: 0.8 to 0.85

1. The lowest precision value occurs at weight 128 for both thresholds.
2. The highest precision value occurs at weight 256 for both thresholds.
3. Nature of the graph remains the same; just it shifts upwards slightly.
4. Precision value at weight 192 has surpassed the precision value at weight 320.

For threshold: 0.9 to 0.95

1. Precision value becomes 1 for all weights at threshold 0.95.
2. At threshold 0.9, the Precision value is minimum at weight 128.
3. At threshold 0.9, precision value is highest for weights 192 and 256.
4. At threshold 0.95, the graph becomes a straight line.

**Overall Conclusion**

1. As the threshold value increases, the nature of graph is becoming as a straight line.
2. For thresholds 0.5 to 0.9, precision value is lowest at weight 128 so bad results will be generated at weight 128
3. For threshold 0.5 to 0.85, precision value is highest for weight 256 so good results will be generated at weight 256
4. For threshold 0.9, precision value is highest for weight 192 and 256 so good results will be generated at these weights
5. For threshold 0.95, graph is horizontal straight line means precision value 1 for all weights.

**Final Conclusion**:

1. Nature of graphs may vary but always the whole graph shifts upwards with the increasing value of the threshold.
2. In general, the performance at weight 320 is best.

**F1 vs Weight**

**Weights: 64, 128, 192, 256, 320 (for tffp)**

**Threshold: 0.5, 0.55, 0.6, 0.65, 0.7, 0.75, 0.8, 0.85, 0.9, 0.95**

**F1 Value: Between 0.5 to 1.**

**Image Size: 64**

**For threshold 0.5 and 0.55**

1. The F1 value for both the weights 64 and 192 are almost equal and lowest for 0.5 threshold.
2. Lowest F1 value is at weight 192 for 0.55.
3. The F1 value is highest for both threshold at weight of 320.
4. The F1 value for both the weights 128 and 256 are almost equal.
5. At threshold 0.55 f1 value of weight 64 surpasses the f1 value of weight 192 and is almost equal to the f1 value of weight 128.

**For threshold 0.6 and 0.65**

1. The F1 value is lowest for weight of 192.
2. The F1 value is highest for weight of 320.
3. The F1 values of weights of 128 and 256 are in close competition.
4. At threshold 0.65, F1 value of weight 128 is almost equal to the f1 value of weight 256.
5. As threshold is increasing, F1 value for all the weights are also increasing.

**For threshold 0.7 and 0.75**

1. At threshold 0.7, F1 value for both the weights 128 and 192 are almost equal and lowest.
2. For 0.75 lowest F value is at 128 weight.
3. The F1 values of weight 192 surpasses the F1 value of weight 128, At threshold 0.75.
4. At threshold 0.75, F1 value for weight 64,256 and 192 are in close competition to each other.
5. F1 value is highest for both threshold at weight 320.

**For threshold 0.8 and 0.85**

1. F1 value is highest for both thresholds at weight 320.
2. F1 value is lowest for both thresholds at weight 128.
3. The F1 values of weight 64 surpasses the F1 value of weight 192.
4. F1 value at weight 64 and 256 are in close competition.
5. As F1 value for all the weights are increasing it means that the graph is shifting upwards.
6. All the F1 value lies above 0.9.

**For threshold 0.9 and 0.95**

1. F1 value is lowest for 0.9 threshold at weight 128.
2. Highest F1 value is at 1.
3. At 0.95 all weights have value equal to 1.

**Overall conclusion:**

1. For threshold 0.5, F1 value for both the weights 64 and 192 are almost equal and lowest and after that till threshold 0.65, F1 value is lowest for weight 192.
2. At threshold 0.7, F1 value is lowest at 128 weight and at threshold 0.75 for both the weights 128 and 192 are almost equal and lowest and after that F1 value is lowest for weight 128.
3. Highest F value is at weight 320.

**Image Size: 128**

**For threshold 0.5 and 0.55**

1. The F1 value is lowest for both thresholds weight 64.
2. The F1 value for both weight 256 highest.
3. F1 value of weights are comparable at weights 192 and 256.
4. The F1 values for weights of 128 lies between the F1 value of weight 64 and 320.

**For threshold 0.6 and 0.65**

1. At threshold 0.6, F1 value is lowest for weight 64.
2. At threshold 0.65, the F1 value for both the weights, 64 and 128 are equal and are lowest.
3. The F1 value for both thresholds weight 256 is highest.
4. The F value at weight 256 and 192 have close values.
5. As threshold is increasing, F1 value for all the weights are also increasing.

**For threshold 0.7 and 0.75**

1. The F1 values of weight 64 surpasses the F1 value of weight 128.
2. The F1 value is lowest for both threshold at weight 128.
3. The F1 value for both weights 192 and 256 are almost equal and highest.
4. As threshold is increasing, F1 value for all the weights are also increasing.
5. As F1 value for all the weights are increasing it means that the graph is shifting upwards.

**For threshold 0.8 and 0.85**

1. The F1 value is lowest for weight 128.
2. The F1 value for both weights 192 and 256 are almost equal and highest.
3. At threshold 0.85, F1 value for both the weight 64 and 320 are closly equal.
4. As threshold is increasing, F1 value for all the weights are also increasing.
5. As F1 value for all the weights are increasing it means that the graph is shifting upwards.
6. All the F1 value lies above 0.9.

**For threshold 0.9 and 0.95**

1. F1 value is lowest for 0.9 threshold at weight 128.
2. F1 value is highest for 0.9 threshold at weight 320 and 192.
3. At 0.95 all weights have value equal to 1.

**Overall conclusion:**

1. Till threshold 0.6, F1 value is lowest for weight 64, at threshold 0.65 F1 value for both the weights 64 and 128 are equal and after threshold 0.65, F1 value is lowest for weight of 128.
2. The F1 value is highest at weight 256 till 0.65, from 0.7 to 0.85 the highest value is at 192 and 256, at higher thresholds its between weight 192 and 320.

**Image Size: 192**

**For threshold 0.5 and 0.55**

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 value for weight of 64 lies between the F1 value of weight 128 and 192.
4. The F1 value for weight of 192 lies between the F1 value of weight 64 and 320.
5. The F1 value for weight of 320 lies between the F1 value of weight 192 and 256.

**For threshold 0.6 and 0.65**

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 value for weight of 192 lies between the F1 value of weight 64 and 320.
4. The F1 value for weight of 320 lies between the F1 value of weight 192 and 256.
5. As threshold is increasing, F1 value for all the weights are also increasing

**For threshold 0.7 and 0.75**

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. At threshold 0.7, F1 value for both the weight 64 and 192 are in close competition.
4. At threshold 0.75, F1 values of weight 64 surpasses the F1 value of weight 192.
5. The F1 value for weight of 320 lies between the F1 value of weight 192 and 256.

**For threshold 0.8 and 0.85**

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 320.
3. At threshold 0.8, F1 value for both the weight 256 and 320 are equal.
4. At threshold 0.85, F1 values of weight 320 surpasses the F1 value of weight 256.
5. At threshold 0.85, F1 value for both the weight 64 and 192 are almost equal.
6. As F1 value for all the weights are increasing it means that the graph is shifting upwards.
7. All the F1 value lies above 0.95.

**For threshold 0.9 and 0.95**

1. The F1 value is lowest for weight of 128 for threshold 0.9
2. The F values for all weights is equal to 1 at 0.95

**Overall conclusion:**

1. F1 value is lowest for weight 128
2. And Till threshold 0.75, F1 value is highest for weight 256 and after that F1 value is highest for weight 320.

**Image Size: 256**

**For threshold 0.5 and 0.55**

1. The F1 value is lowest for weight of128.
2. The F1 value is highest for weight of 320.
3. The F1 value for weight of 256 lies between the F1 value of weight 192 and 320.
4. The F1 value for weight of 64 lies between the F1 value of weight 128 and 192.
5. The F1 value for weight of 192 lies between the F1 value of weight 64 and 256.

**For threshold 0.6 and 0.65**

1. The F1 value is lowest for weight of 128.
2. F1 value is highest for weight of 320.
3. At threshold 0.65, F1 value for both the weight 192 and 256 are almost equal.
4. The F1 value for weight of 64 lies between the F1 value of weight 128 and 192.
5. As threshold is increasing, F1 value for all the weights are also increasing.

**For threshold 0.7 and 0.75**

1. The F1 value is lowest for weight of 128.
2. F1 value is highest for weight of 320.
3. At threshold 0.7, F1 value for both the weight 256 and 192 are equal.
4. At threshold 0.75, F1 values of weight 256 surpasses the F1 value of weight 192.
5. At threshold 0.75, F1 value for both the weight 192 and 320 are almost equal.
6. The F1 value for weight of 64 lies between the F1 value of weight 128 and 256.

**For threshold 0.8 and 0.85**

1. The F1 value is lowest for weight of 128.
2. At threshold 0.8, F1 value for weight of 192 surpasses the F1 value for weight 320.
3. The F1 value is highest for weight of 192.
4. At threshold 0.85, F1 value for both the weight 192 and 320 almost reaches to 1.
5. As F1 value for all the weights are increasing it means that the graph is shifting upwards.
6. All the F1 value lies above 0.95.

**For threshold 0.9 and 0.95**

1. The F1 value is lowest for weight of 128.

1. The F1 value is highest for weight of 192 and 256.
2. The F1 value is highest for weight for all weights equal to 1 at 0.95 threshold

**Overall conclusion:**

1. F1 value is lowest for weight 128
2. Till threshold 0.75, F1 value is highest for weight 320 and after that F1 value is highest for weight 192

**Image Size: 320**

**For threshold 0.5 and 0.55**

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 values for weights of 192 and 320 are almost equal.
4. The F1 value for weight of 64 lies between the F1 value of weight 128 and 192.

**For threshold 0.6 and 0.65**

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 values for weights of 192 and 320 are almost equal.
4. The F1 value for weight of 64 lies between the F1 value of weight 128 and 192.
5. As threshold is increasing, F1 value for all the weights are also increasing.

**For threshold 0.7 and 0.75**

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. The F1 values of weight 192 surpasses the F1 value of weight 320.
4. The F1 value for weight of 64 lies between the F1 value of weight 128 and 320.
5. At threshold 0.75, F1 value of weight 256 reaches to 1
6. As threshold is increasing, F1 value for all the weights are also increasing.

**For threshold 0.8 and 0.85**

1. The F1 value is lowest for weight of 128.
2. The F1 value is highest for weight of 256.
3. At threshold 0.85, F1 value for weight 64 and 320 are equal.
4. All the F1 value lies above 0.95..
5. As threshold is increasing, F1 value for all the weights are also increasing.

**For threshold 0.9 and 0.95**

1. All weights have f value equal to 1

**Overall conclusion**:

1. F1 value is lowest for weight 128
2. And F1 value is highest for weight 256.

**Final conclusion**:

1. In general, performance of weight 128 is weakest.
2. In general, performance of weight 256 is best.
3. For image size 64 the best performance is at weight 64