```
l'initialize parameters deep (layer dins)
       return parameters ( WII] ... WILI
2. linear - forward (A, W, b)
                           Z = np.dot(W,A) + b
        return z, cache
                                                     torward
                                                      propagation
                               cache (A, W,b)
 3. linear - activation - forward (A - prev, w,b, activation)
            activation = " sigmoid":
                                                               Wan
            Z, linear_coche = linear_torward (A-prev, W,b)
            A, activation-cache = sigmoiduz)
                                                               activation
       elif activation = " relu":
               cache (linear-cache, activation-cache)
               return A, cache (A-prev, w,b,z)
4. L_model_forward (x, parameter)
                                                                           y parameter
            A = X (en (parameters) 12 \rightarrow how many layers.
            for INL-1 } A, cache = linear - activation-forward (A-prev, w, b, "relu")

Caches append (cache)
                           AL, cache = linear - a ctivation - forward (A, W, b, "sig moid")
                            caches. append (cache)
    linear_backward (dz, cache) {A-prev, w,b,z}
5. cost function
               dA-prev, du, db
    linear - activation - backward (dA, cache, activation)
      linear - cache, activation - cache = cache
       if activation = "relu"
                                    different way to calculate dz
                        =" Sigmoid"
                                                   L> linear - backward (dz, linear-cache)
   3 return dA - prev, dw, db
     1- model-bockward (AL, Y, caches)
```