

## Effective Algorithm

Repeat Until a MaxWord is found than;

    Iterate the Following Steps until all Letters on the Board has been assessed;

        Start on a letter on the board than

            Look at positions that are in either direction of the Starting position,  
            produce all the possible Dictionary words that can be made from that  
            substring. For example the word tone, look at possible words in  
            direction of the empty slots what letters could go in to make a word

Board:

	0	1	2	3	4	5	6
0							
1							
2							
3				T			
4				O			
5				N			
6				E			

Board:

	0	1	2	3	4	5	6
0							
1							
2							
3	B	A	I	T			
4				O			
5				N			
6				E			

Board:

	0	1	2	3	4	5	6
0							
1							
2							
3	B	E	S	T			
4				O			
5				N			
6				E			

Board:

	0	1	2	3	4	5	6
0							
1							
2							
3			A	T			
4				O			
5				N			
6				E			

Board:

	0	1	2	3	4	5	6
0							
1							
2							
3			A	T	E		
4				O			
5				N			
6				E			

2		T		U			
--	---	---	---	---	---	---	---
3	B	E	S	T	O	N	
--	---	---	---	---	---	---	---
4		R		O			
--	---	---	---	---	---	---	---
5	R	A	I	N			
--	---	---	---	---	---	---	---
6		N		E			
--	---	---	---	---	---	---	---