

# COMP20050 SCRUM NOTES

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## Sprint Backlog

Task	Owner	Estimate	Due	Done
Scrum Notes	Aaron	2 hr	17/04/2015	Y
Bot Algorithm	Daniel	14 hr	18/04/2015	Y
findBest method	Nikita	8 hr	21/04/2015	Y
Work with first play move	Aaron	5 hr	21/04/2015	Y
Debug	Aaron	3 hr	21/04/2015	Y
Testing	Nikita	3 hr	22/04/2015	Y

## Test Plan

Feature	Pass
Print anagrams of frame	Y
Print board with possible positions	Y
Display powerset of letters	Y
Display possible permutations	Y
Show best word score	Y
Show best word placement	Y
Place first move	Y
Place second move	Y

## Review & Retrospective Summary

Problem	Resolution	Lesson
Generating play for first move versus other moves.	Use the isFirstPlay variable in the Board and create a separate play for the first move.	Plan all types of plays before design.
Adding possible positions to the array list	Array list must be initialized first.	Review lecture notes on topics in assignment before design.

## Class Diagram

### Bot Class

```
private class position()
    private Word word = new Word();
    private String letters;
    private ArrayList<String>[] anagrams = new ArrayList[Frame.MAX_TILES+1];
    private ArrayList<Position>[] possiblePositions = new
        ArrayList[Frame.MAX_TILES+1];
    private ArrayList<Position>[] firstPlayPositions = new
        ArrayList[Frame.MAX_TILES+1];
    private int[][] sqStatus = new int[Board.SIZE][Board.SIZE];

    public int getCommand()
    private void genAnagrams()

    private arraylist genPowersetOfLEtters()
    private arraylist genPermutations()
    private void genAnagrams()
    private void genPossible()
    public word findBest()
```

### Scrabble Class

```
private static void playGame()
    Player player1 = new Player(), player2 = new Player();
    Player currentPlayer, otherPlayer;
    Board board = new Board(), boardAfterPlay;
    Pool pool = new Pool();
    Word word = new Word();
    String[] playerCommand;
    boolean gameHasEnded = false;
    boolean challengeMade = false, challengeSuccessful = false;
    char tempLetter;
```



```

Public UI Class    public static void enterPlayersNames(Player
player1, Player player2)    public static void displayBoard(Board
board)    public static void displayPlayersFrame(Player currentPlayer)
    public static void displayPlayersScore(Player currentPlayer) public static String[]
promptPlayer(Player currentPlayer, Pool pool) private static void displayHelp()
    public static boolean promptYesOrNoResponse(String message, String
assumedResponse) public static void getWinner(Player playA, Player playB)

```

#### Board class

```

    private static final int SINGLE_LETTER =
1;    private static final int DOUBLE_LETTER =
2;    private static final int TRIPLE_LETTER =
3;    private static final int DOUBLE_WORD = 4;
    private static final int TRIPLE_WORD = 5;
    private static final int[][] SQ_VALUE ;//
    private static final char EMPTY = ' ';
    public static final int SIZE = 15;
    public static final int CENTRE = 7;
    public static final int WORD_OK = 1;
    public static final int WORD_OUT_OF_BOUNDS
= 2;    public static final int
WORD_LETTER_NOT_IN_FRAME = 3;    public static
final int WORD_LETTER_CLASH = 4;    public static
final int WORD_NO_LETTER_FROM_FRAME = 5;
    public static final int WORD_NO_CONNECTION
= 6; public static final int
WORD_INCORRECT_FIRST_PLAY = 7;
    Board ()
    Board (Board
originalBoard)    private void
displayHeader ()    public void
display ()
        public int checkWord (Word word, Frame frame)
        public int getScore (Word word, Pool pool)
        public void setWord (Word word)    //Chris's solution

    public int getScore (Word word, Pool pool) //added to Chris's solution

```

#### Dictionary Class

```

    Private static final String
    HashMap<String, Integer>
    hmap    Dictionary ()
        public boolean wordFound ()

```

```
Size of powerset of letters: 128
```

Elements of powerset:

, A, B, AB, C, AC, BC, ABC, D, AD, BD, ABD, CD, ACD, BCD, ABCD, E, AE, BE, ABE, CE, ACE, BCE, ABCE, DE, ADE, BDE, ABDE, CDE, ACDE, BCDE, ABCDE, F, AF, BF, ABF, CF, ACF, BCF, ABCF, DF, ADF, BDF, ABDF, CDF, ACDF, BCDF, ABCDF, EF, AEF, BEF, ABEF, CEF, ACEF, BCEF, ABCEF, DEF, ADEF, BDEF, ABDEF, CDEF, ACDEF, BCDEF, ABCDEF, G, AG, BG, ABG, CG, ACG, BCG, AB CG, DG, ADG, BDG, ABDG, CDG, ACDG, BCDG, ABCDG, EG, AEG, BEG, ABEG, CEG, ACEG, BCEG, ABCEG, DEG, ADEG, BDEG, ABDEG, CDEG, ACDEG, BCDEG, ABCDEG, FG, AFG, BFG, ABFG, CFG, ACFG, BCFG, ABCFG, DFG, ADFG, BDFG, ABDFG, CDFG, ACDFG, BCDFG, ABCDFG, EFG, AEFG, BEFG, ABEFG, CEFG, ACEFG, BCEFG, ABCEFG, DEFG, ADEFG, BDEFG, ABDEFG, CDEFG, ACDEFG, BCDEFG, ABCDEFG

Number of permutations of 0 letters: 1

```
Number of permutations of 1 letters: 7
```

Number of permutations of 2 letters: 42

Number of permutations of 3 letters: 210

Number of permutations of 4 letters: 840

Number of permutations of 5 letters: 2520

Number of permutations of 6 letters: 5040

Number of permutations of 7 letters: 5040

Permutations of ABCD:

ABCD ABDC ACBD ACDB ADCB ADCB BACD BADC BCAD BCDA BDAC BDCA CABD  
CADB CBAD CBDA CDAB CDBA DABC DACB DBAC DBCA DCAB DCBA

## BOARD

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	3.			2				3.				2			3.	1
2		2.				3				3				2.		2
3			2.				2	2					2.			3
4	2			2.			2					2.		2		4
5					2.						2.					5
6		3				3				3				3		6
7			2				2	2					2			7
8	3.			2				f	l	o	w	e	r	s	3.	8
9			2				2	2					2			9
10		3				3				3				3		10
11					2.						2.					11
12	2			2.				2				2.		2		12
13			2.				2	2					2.			13
14		2.				3				3				2.		14
15	3.			2				3.				2			3.	15
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	

## HORIZONTAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0
2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1
3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2
4	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	3
5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	4
6	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	5
7	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	6
8	O	O	O	O	O	O	O	L	L	L	L	L	L	L	O	7
9	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	8
10	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	9
11	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	10
12	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	11
13	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	12
14	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	13
15	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	14

## VERTICAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	N	N	N	N	N	N	N	N	O	O	O	O	O	O	N	0
2	N	N	N	N	N	N	N	N	O	O	O	O	O	O	N	1
3	N	N	N	N	N	N	N	N	O	O	O	O	O	O	N	2
4	N	N	N	N	N	N	N	N	O	O	O	O	O	O	N	3
5	N	N	N	N	N	N	N	N	O	O	O	O	O	O	N	4
6	N	N	N	N	N	N	N	N	O	O	O	O	O	O	N	5
7	N	N	N	N	N	N	N	N	O	O	O	O	O	O	N	6
8	N	N	N	N	N	N	N	N	L	L	L	L	L	L	N	7
9	N	N	N	N	N	N	N	N	O	O	O	O	O	O	N	8
10	N	N	N	N	N	N	N	N	O	O	O	O	O	O	N	9
11	N	N	N	N	N	N	N	N	O	O	O	O	O	O	N	10
12	N	N	N	N	N	N	N	N	O	O	O	O	O	O	N	11
13	N	N	N	N	N	N	N	N	O	O	O	O	O	O	N	12
14	N	N	N	N	N	N	N	N	O	O	O	O	O	O	N	13
15	N	N	N	N	N	N	N	N	O	O	O	O	O	O	N	14

A B C D E F G H I J K L M N O

Possible 7 letter positions

Horizontal: A8 B8

Vertical: H1 H2 H3 H4 H5 H6 H7 H8 I1 I2 I3 I4 I5 I6 I7 I8 J1 J2  
J3 J4 J5 J6 J7 J8 K1 K2 K3 K4 K5 K6 K7 K8 L1 L2 L3 L4 L5 L6 L7 L8  
M1 M2 M3 M4 M5 M6 M7 M8 N1 N2 N3 N4 N5 N6 N7 N8

Possible 6 letter positions

Horizontal: B8 C8

Vertical: H2 H3 H4 H5 H6 H7 H8 I2 I3 I4 I5 I6 I7 I8 J2 J3 J4 J5  
J6 J7 J8 K2 K3 K4 K5 K6 K7 K8 L2 L3 L4 L5 L6 L7 L8 M2 M3 M4 M5 M6  
M7 M8 N2 N3 N4 N5 N6 N7 N8

Possible 5 letter positions

Horizontal: C8 D8

Vertical: H3 H4 H5 H6 H7 H8 I3 I4 I5 I6 I7 I8 J3 J4 J5 J6 J7 J8  
K3 K4 K5 K6 K7 K8 L3 L4 L5 L6 L7 L8 M3 M4 M5 M6 M7 M8 N3 N4 N5 N6  
N7 N8

Possible 4 letter positions

Horizontal: D8 E8

Vertical: H4 H5 H6 H7 H8 I4 I5 I6 I7 I8 J4 J5 J6 J7 J8 K4 K5 K6  
K7 K8 L4 L5 L6 L7 L8 M4 M5 M6 M7 M8 N4 N5 N6 N7 N8

Possible 3 letter positions

Horizontal: E8 F8

Vertical: H5 H6 H7 H8 I5 I6 I7 I8 J5 J6 J7 J8 K5 K6 K7 K8 L5 L6  
L7 L8 M5 M6 M7 M8 N5 N6 N7 N8

Possible 2 letter positions

Horizontal: F8 G8

Vertical: H6 H7 H8 I6 I7 I8 J6 J7 J8 K6 K7 K8 L6 L7 L8 M6 M7 M8  
N6 N7 N8

Possible 1 letter positions

Horizontal: G8 H8

Vertical: H7 H8 I7 I8 J7 J8 K7 K8 L7 L8 M7 M8 N7 N8

## BOARD

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	3.			2				3.				2			3.	1
2		2.				3				3				k		2
3			2.				2		2				2.	n		3
4	2			2.				2				2.		i	2	4
5					2.						2.			g		5
6		3				3				3				h		6
7			2				2		2				2	t		7
8	3.			2				f	l	o	w	e	r	s	3.	8
9			2				2		2				2			9
10		3				3				3				3		10
11					2.						2.					11
12	2			2.				2				2.			2	12
13			2.				2		2				2.			13
14		2.				3				3				2.		14
15	3.			2				3.				2			3.	15

A B C D E F G H I J K L M N O

## HORIZONTAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0
2	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	1
3	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	2
4	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	3
5	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	4
6	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	5
7	N	N	N	N	N	N	N	N	N	N	N	N	N	N	L	6
8	O	O	O	O	O	O	O	L	L	L	L	L	L	L	L	7
9	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	8
10	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	9
11	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	10
12	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	11
13	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	12
14	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	13
15	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	14

A B C D E F G H I J K L M N O

## VERTICAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O		
1	N	N	N	N	N	N	N	N	O	O	O	O	O	N	O	N	0
2	N	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	1
3	N	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	2
4	N	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	3
5	N	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	4
6	N	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	5
7	N	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	6
8	N	N	N	N	N	N	N	N	L	L	L	L	L	L	L	N	7
9	N	N	N	N	N	N	N	N	O	O	O	O	O	O	O	N	8
10	N	N	N	N	N	N	N	N	O	O	O	O	O	O	O	N	9
11	N	N	N	N	N	N	N	N	O	O	O	O	O	O	O	N	10
12	N	N	N	N	N	N	N	N	O	O	O	O	O	O	O	N	11
13	N	N	N	N	N	N	N	N	O	O	O	O	O	O	O	N	12
14	N	N	N	N	N	N	N	N	O	O	O	O	O	O	O	N	13
15	N	N	N	N	N	N	N	N	O	O	O	O	O	O	O	N	14

A B C D E F G H I J K L M N O

Possible 7 letter positions

Horizontal: G2 H2 G3 H3 G4 H4 G5 H5 G6 H6 A8 B8

Vertical: H1 H2 H3 H4 H5 H6 H7 H8 I1 I2 I3 I4 I5 I6 I7 I8 J1 J2  
J3 J4 J5 J6 J7 J8 K1 K2 K3 K4 K5 K6 K7 K8 L1 L2 L3 L4 L5 L6 L7 L8  
M8 N1 N2

Possible 6 letter positions

Horizontal: H2 I2 H3 I3 H4 I4 H5 I5 H6 I6 B8 C8

Vertical: H2 H3 H4 H5 H6 H7 H8 I2 I3 I4 I5 I6 I7 I8 J2 J3 J4 J5  
J6 J7 J8 K2 K3 K4 K5 K6 K7 K8 L2 L3 L4 L5 L6 L7 L8 M8 N1 N2

Possible 5 letter positions

Horizontal: I2 J2 I3 J3 I4 J4 I5 J5 I6 J6 C8 D8

Vertical: H3 H4 H5 H6 H7 H8 I3 I4 I5 I6 I7 I8 J3 J4 J5 J6 J7 J8  
K3 K4 K5 K6 K7 K8 L3 L4 L5 L6 L7 L8 M8 N1 N2

Possible 4 letter positions

Horizontal: J2 K2 J3 K3 J4 K4 J5 K5 J6 K6 D8 E8

Vertical: H4 H5 H6 H7 H8 I4 I5 I6 I7 I8 J4 J5 J6 J7 J8 K4 K5 K6  
K7 K8 L4 L5 L6 L7 L8 M8 N1 N2

Possible 3 letter positions

Horizontal: K2 L2 K3 L3 K4 L4 K5 L5 K6 L6 E8 F8

Vertical: H5 H6 H7 H8 I5 I6 I7 I8 J5 J6 J7 J8 K5 K6 K7 K8 L5 L6  
L7 L8 M8 N1 N2

Possible 2 letter positions

Horizontal: L2 M2 L3 M3 L4 M4 L5 M5 L6 M6 F8 G8

Vertical: H6 H7 H8 I6 I7 I8 J6 J7 J8 K6 K7 K8 L6 L7 L8 M8 N1 N2

Possible 1 letter positions

Horizontal: M2 N2 M3 N3 M4 N4 M5 N5 M6 N6 N7 G8 H8

Vertical: H7 H8 I7 I8 J7 J8 K7 K8 L7 L8 M8 N1 N2



## BOARD

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	3.			2				3.				2			3.	1
2		2.				3				3				k		2
3			2.				2	2					2.	n		3
4	2			2.			2					2.		i	2	4
5					2.						2.			g		5
6		3				3				3				h		6
7			2				2	2					2	t		7
8	3.			2				f	l	o	w	e	r	s	3.	8
9			2				2	2	v			2				9
10		3				3				e				3		10
11					2.					r	2.					11
12	2			2.				2		r		2.			2	12
13			2.				2	2	u				2.			13
14		2.				3				n				2.		14
15	3.			2				3.				2			3.	15
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	

## HORIZONTAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0
2	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	1
3	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	2
4	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	3
5	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	4
6	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	5
7	N	N	N	N	N	N	N	N	N	N	N	N	N	N	L	6
8	O	O	O	O	O	O	O	L	L	L	L	L	L	L	L	7
9	N	N	N	N	N	N	N	N	N	N	L	N	N	N	N	8
10	N	N	O	O	O	O	O	O	O	O	L	O	O	O	O	9
11	N	N	O	O	O	O	O	O	O	O	L	O	O	O	O	10
12	N	N	O	O	O	O	O	O	O	O	L	O	O	O	O	11
13	N	N	O	O	O	O	O	O	O	O	L	O	O	O	O	12
14	N	N	O	O	O	O	O	O	O	O	L	O	O	O	O	13
15	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	14
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	

## VERTICAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O		
1	N	N	N	N	N	N	N	N	O	O	O	O	O	N	O	N	0
2	N	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	1
3	N	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	2
4	N	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	3
5	N	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	4
6	N	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	5
7	N	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	6
8	N	N	N	N	N	N	N	N	L	L	L	L	L	L	L	N	7
9	N	N	N	N	N	N	N	N	O	N	L	N	O	O	O	N	8
10	N	N	N	N	N	N	N	N	O	N	L	N	O	O	O	N	9
11	N	N	N	N	N	N	N	N	O	N	L	N	O	O	O	N	10
12	N	N	N	N	N	N	N	N	O	N	L	N	O	O	O	N	11
13	N	N	N	N	N	N	N	N	O	N	L	N	O	O	O	N	12
14	N	N	N	N	N	N	N	N	O	N	L	N	O	O	O	N	13
15	N	N	N	N	N	N	N	N	O	N	O	N	O	O	O	N	14

A B C D E F G H I J K L M N O

Possible 7 letter positions

Horizontal: G2 H2 G3 H3 G4 H4 G5 H5 G6 H6 A8 B8 C10 D10 E10 F10  
G10 H10 C11 D11 E11 F11 G11 H11 C12 D12 E12 F12 G12 H12 C13 D13  
E13 F13 G13 H13 C14 D14 E14 F14 G14 H14  
Vertical: H1 H2 H3 H4 H5 H6 H7 H8 I1 J1 J2 K1 L1 L2 L3 L4 L5 L6  
L7 L8 M8 N1 N2

Possible 6 letter positions

Horizontal: H2 I2 H3 I3 H4 I4 H5 I5 H6 I6 B8 C8 D10 E10 F10 G10  
H10 I10 D11 E11 F11 G11 H11 I11 D12 E12 F12 G12 H12 I12 D13 E13  
F13 G13 H13 I13 D14 E14 F14 G14 H14 I14  
Vertical: H2 H3 H4 H5 H6 H7 H8 I2 J2 J3 K2 L2 L3 L4 L5 L6 L7 L8  
M8 N1 N2

Possible 5 letter positions

Horizontal: I2 J2 I3 J3 I4 J4 I5 J5 I6 J6 C8 D8 E10 F10 G10 H10  
I10 J10 E11 F11 G11 H11 I11 J11 E12 F12 G12 H12 I12 J12 E13 F13  
G13 H13 I13 J13 E14 F14 G14 H14 I14 J14  
Vertical: H3 H4 H5 H6 H7 H8 I3 J3 J4 K3 L3 L4 L5 L6 L7 L8 M8 N1  
N2

Possible 4 letter positions

Horizontal: J2 K2 J3 K3 J4 K4 J5 K5 J6 K6 D8 E8 F10 G10 H10 I10  
J10 F11 G11 H11 I11 J11 F12 G12 H12 I12 J12 F13 G13 H13 I13 J13  
F14 G14 H14 I14 J14  
Vertical: H4 H5 H6 H7 H8 I4 J4 J5 K4 L4 L5 L6 L7 L8 M8 N1 N2

Possible 3 letter positions

Horizontal: K2 L2 K3 L3 K4 L4 K5 L5 K6 L6 E8 F8 G10 H10 I10 J10  
G11 H11 I11 J11 G12 H12 I12 J12 G13 H13 I13 J13 G14 H14 I14 J14  
Vertical: H5 H6 H7 H8 I5 J5 J6 K5 L5 L6 L7 L8 M8 N1 N2

Possible 2 letter positions

Horizontal: L2 M2 L3 M3 L4 M4 L5 M5 L6 M6 F8 G8 H10 I10 J10 H11  
I11 J11 H12 I12 J12 H13 I13 J13 H14 I14 J14  
Vertical: H6 H7 H8 I6 J6 J7 K6 L6 L7 L8 M8 N1 N2

Possible 1 letter positions

Horizontal: M2 N2 M3 N3 M4 N4 M5 N5 M6 N6 N7 G8 H8 I10 J10 I11  
J11 I12 J12 I13 J13 I14 J14  
Vertical: H7 H8 I7 J7 J8 K7 L7 L8 M8 N1 N2

## BOARD

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	3.			2				3.				2			3.	1
2		2.				3				3				k		2
3			2.				2	2					2.	n		3
4	2			2.			2					2.		i	2	4
5					2.						2.			g		5
6		3				3				3				h		6
7			2				2	2					2	t		7
8	3.			2				f	l	o	w	e	r	s	3.	8
9			2				2	2	v			2				9
10		3				3				e				3		10
11					2.					r	2.					11
12	2			2.	t	e	r	r	o	r		2.			2	12
13			2.				2	2	u				2.			13
14		2.				3				n				2.		14
15	3.			2				3.				2			3.	15
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	

## HORIZONTAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0
2	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	1
3	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	2
4	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	3
5	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	4
6	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	5
7	N	N	N	N	N	N	N	N	N	N	N	N	N	N	L	6
8	O	O	O	O	O	O	O	L	L	L	L	L	L	L	L	7
9	N	N	N	N	N	N	N	N	N	N	L	N	N	N	N	8
10	N	N	O	O	O	O	O	O	O	L	O	O	O	O	O	9
11	N	N	N	N	N	N	N	N	N	N	L	O	O	O	O	10
12	O	O	O	O	L	L	L	L	L	L	L	O	O	O	O	11
13	N	N	N	N	N	N	N	N	N	N	L	O	O	O	O	12
14	N	N	O	O	O	O	O	O	O	L	O	O	O	O	O	13
15	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	14
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	

## VERTICAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	N	N	N	N	N	N	N	O	O	O	O	O	N	O	N	0
2	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	1
3	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	2
4	N	N	N	N	N	N	N	O	O	O	O	O	N	L	N	3
5	N	N	N	N	O	O	N	O	O	O	O	O	N	L	N	4
6	N	N	N	N	O	O	N	O	O	O	O	O	N	L	N	5
7	N	N	N	N	O	O	N	O	O	O	O	O	N	L	N	6
8	N	N	N	N	O	O	N	L	L	L	L	L	L	L	N	7
9	N	N	N	N	O	O	O	O	N	L	N	O	O	O	N	8
10	N	N	N	N	O	O	O	O	N	L	N	O	O	O	N	9
11	N	N	N	N	O	O	O	O	N	L	N	O	O	O	N	10
12	N	N	N	N	L	L	L	L	L	L	N	O	O	O	N	11
13	N	N	N	N	O	O	O	O	N	L	N	O	O	O	N	12
14	N	N	N	N	O	O	O	O	N	L	N	O	O	O	N	13
15	N	N	N	N	O	O	O	O	N	O	N	O	O	O	N	14

A B C D E F G H I J K L M N O

Possible 7 letter positions

Horizontal: G2 H2 G3 H3 G4 H4 G5 H5 G6 H6 A8 B8 C10 D10 E10 F10  
G10 H10 A12 B12 C12 C14 D14 E14 F14 G14 H14  
Vertical: E5 E6 E7 E8 F5 F6 F7 F8 H1 H2 H3 H4 H5 H6 H7 I1 J1 J2  
K1 L1 L2 L3 L4 L5 L6 L7 L8 M8 N1 N2

Possible 6 letter positions

Horizontal: H2 I2 H3 I3 H4 I4 H5 I5 H6 I6 B8 C8 D10 E10 F10 G10  
H10 I10 A12 B12 C12 D12 D14 E14 F14 G14 H14 I14  
Vertical: E6 E7 E8 E9 F6 F7 F8 F9 G9 H2 H3 H4 H5 H6 H7 H8 I2 J2  
J3 K2 L2 L3 L4 L5 L6 L7 L8 M8 N1 N2

Possible 5 letter positions

Horizontal: I2 J2 I3 J3 I4 J4 I5 J5 I6 J6 C8 D8 E10 F10 G10 H10  
I10 J10 J11 A12 B12 C12 D12 E12 J13 E14 F14 G14 H14 I14 J14  
Vertical: E7 E8 E9 E10 F7 F8 F9 F10 G9 G10 H10 H3 H4 H5 H6 H7  
H8 I3 J3 J4 K3 L3 L4 L5 L6 L7 L8 M8 N1 N2

Possible 4 letter positions

Horizontal: J2 K2 J3 K3 J4 K4 J5 K5 J6 K6 D8 E8 F10 G10 H10 I10  
J10 J11 A12 B12 C12 D12 E12 J13 F14 G14 H14 I14 J14  
Vertical: E8 E9 E10 E11 F8 F9 F10 F11 G9 G10 G11 H10 H11 H4 H5  
H6 H7 H8 I4 J4 J5 K4 L4 L5 L6 L7 L8 M8 N1 N2

Possible 3 letter positions

Horizontal: K2 L2 K3 L3 K4 L4 K5 L5 K6 L6 E8 F8 G10 H10 I10 J10  
J11 B12 C12 D12 E12 J13 G14 H14 I14 J14  
Vertical: E9 E10 E11 E12 F9 F10 F11 F12 G9 G10 G11 G12 H10 H11  
H12 H5 H6 H7 H8 I5 J5 J6 K5 L5 L6 L7 L8 M8 N1 N2

Possible 2 letter positions

Horizontal: L2 M2 L3 M3 L4 M4 L5 M5 L6 M6 F8 G8 H10 I10 J10 J11  
C12 D12 E12 J13 H14 I14 J14  
Vertical: E10 E11 E12 F10 F11 F12 G10 G11 G12 H10 H11 H12 H6 H7  
H8 I6 J6 J7 K6 L6 L7 L8 M8 N1 N2

Possible 1 letter positions

Horizontal: M2 N2 M3 N3 M4 N4 M5 N5 M6 N6 N7 G8 H8 I10 J10 J11  
D12 E12 J13 I14 J14  
Vertical: E11 E12 F11 F12 G11 G12 H11 H12 H7 H8 I7 J7 J8 K7 L7  
L8 M8 N1 N2

## BOARD

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	3.			2				3.				2			3.	1
2		2.				3				3				k		2
3			2.				2		2				2.	n		3
4	2			2.				2				2.		i	2	4
5					2.						2.			g		5
6		3				3				3	b			h		6
7			2				2		2		o		2	t		7
8	3.			2				f	l	o	w	e	r	s	3.	8
9			2				2		2	v			2			9
10		3				3				e				3		10
11					2.					r	2.					11
12	2			2.	t	e	r	r	o	r		2.			2	12
13			2.				2		2	u			2.			13
14		2.				3				n				2.		14
15	3.			2				3.				2			3.	15
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	

## HORIZONTAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0
2	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	1
3	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	2
4	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	3
5	N	N	N	N	N	N	N	N	N	N	N	N	O	O	L	4
6	N	N	N	O	O	O	O	O	O	O	O	L	O	O	L	5
7	N	N	N	N	N	N	N	N	N	N	N	L	N	N	L	6
8	O	O	O	O	O	O	O	L	L	L	L	L	L	L	L	7
9	N	N	N	N	N	N	N	N	N	N	N	L	N	N	N	8
10	N	N	O	O	O	O	O	O	O	O	L	O	O	O	O	9
11	N	N	N	N	N	N	N	N	N	N	L	O	O	O	O	10
12	O	O	O	O	L	L	L	L	L	L	L	O	O	O	O	11
13	N	N	N	N	N	N	N	N	N	N	L	O	O	O	O	12
14	N	N	O	O	O	O	O	O	O	O	L	O	O	O	O	13
15	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	14
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	

## VERTICAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O		
1	N	N	N	N	N	N	N	N	O	O	N	O	N	N	O	N	0
2	N	N	N	N	N	N	N	N	O	O	N	O	N	N	L	N	1
3	N	N	N	N	N	N	N	N	O	O	N	O	N	N	L	N	2
4	N	N	N	N	N	N	N	N	O	O	N	O	N	N	L	N	3
5	N	N	N	N	O	O	N	O	O	N	O	N	N	L	N		4
6	N	N	N	N	O	O	N	O	O	N	L	N	N	L	N		5
7	N	N	N	N	O	O	N	O	O	N	L	N	N	L	N		6
8	N	N	N	N	O	O	N	L	L	L	L	L	L	L	N		7
9	N	N	N	N	O	O	O	O	N	L	N	O	O	O	N		8
10	N	N	N	N	O	O	O	O	N	L	N	O	O	O	N		9
11	N	N	N	N	O	O	O	O	N	L	N	O	O	O	N		10
12	N	N	N	N	L	L	L	L	L	L	N	O	O	O	N		11
13	N	N	N	N	O	O	O	O	N	L	N	O	O	O	N		12
14	N	N	N	N	O	O	O	O	N	L	N	O	O	O	N		13
15	N	N	N	N	O	O	O	O	N	O	N	O	O	O	N		14

A B C D E F G H I J K L M N O

Possible 7 letter positions

Horizontal: G2 H2 G3 H3 G4 H4 D6 E6 F6 G6 A8 B8 C10 D10 E10 F10  
G10 H10 A12 B12 C12 C14 D14 E14 F14 G14 H14

Vertical: E5 E6 E7 E8 F5 F6 F7 F8 H1 H2 H3 H4 H5 H6 H7 I1 L8 M8  
N1 N2

Possible 6 letter positions

Horizontal: H2 I2 H3 I3 H4 I4 E6 F6 G6 H6 B8 C8 D10 E10 F10 G10  
H10 I10 A12 B12 C12 D12 D14 E14 F14 G14 H14 I14

Vertical: E6 E7 E8 E9 F6 F7 F8 F9 G9 H2 H3 H4 H5 H6 H7 H8 I2 L8  
M8 N1 N2

Possible 5 letter positions

Horizontal: I2 J2 I3 J3 I4 J4 F6 G6 H6 I6 C8 D8 E10 F10 G10 H10  
I10 J10 J11 A12 B12 C12 D12 E12 J13 E14 F14 G14 H14 I14 J14

Vertical: E7 E8 E9 E10 F7 F8 F9 F10 G9 G10 H10 H3 H4 H5 H6 H7  
H8 I3 K1 L8 M8 N1 N2

Possible 4 letter positions

Horizontal: J2 K2 J3 K3 J4 K4 G6 H6 I6 J6 D8 E8 F10 G10 H10 I10  
J10 J11 A12 B12 C12 D12 E12 J13 F14 G14 H14 I14 J14

Vertical: E8 E9 E10 E11 F8 F9 F10 F11 G9 G10 G11 H10 H11 H4 H5  
H6 H7 H8 I4 K2 L8 M8 N1 N2

Possible 3 letter positions

Horizontal: K2 L2 K3 L3 K4 L4 L5 H6 I6 J6 K6 E8 F8 G10 H10 I10  
J10 J11 B12 C12 D12 E12 J13 G14 H14 I14 J14

Vertical: E9 E10 E11 E12 F9 F10 F11 F12 G9 G10 G11 G12 H10 H11  
H12 H5 H6 H7 H8 I5 K3 L8 M8 N1 N2

Possible 2 letter positions

Horizontal: L2 M2 L3 M3 L4 M4 L5 M5 M6 I6 J6 K6 F8 G8 H10 I10 J10  
J11 C12 D12 E12 J13 H14 I14 J14

Vertical: E10 E11 E12 F10 F11 F12 G10 G11 G12 H10 H11 H12 H6 H7  
H8 I6 K4 L8 M8 N1 N2

Possible 1 letter positions

Horizontal: M2 N2 M3 N3 M4 N4 M5 N5 M6 N6 J6 K6 N7 G8 H8 I10 J10  
J11 D12 E12 J13 I14 J14

Vertical: E11 E12 F11 F12 G11 G12 H11 H12 H7 H8 I7 J8 K5 L8 M8  
N1 N2

## BOARD

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	3.			2				3.			2			3.		1
2		2.				3				3				k		2
3			2.				2		2				2.	n		3
4	2			2.				2				2.		i	2	4
5					2.						2.			g		5
6		3				3				3	b			h		6
7			2				2		2		o		a	t		7
8	3.			2				f	l	o	w	e	r	s	3.	8
9			2				2		2	v			r			9
10		3				3				e		o		3		10
11					2.					r	2.		w			11
12	2			2.	t	e	r	r	o	r		2.			2	12
13			2.				2		2	u			2.			13
14		2.				3				n				2.		14
15	3.			2				3.			2			3.		15
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	

## HORIZONTAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	0
2	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	1
3	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	2
4	N	N	N	N	N	N	N	O	O	O	O	O	O	O	L	3
5	N	N	N	N	N	N	N	N	N	N	N	N	O	O	L	4
6	N	N	N	O	O	O	O	O	O	O	O	L	O	N	L	5
7	N	N	N	N	N	N	N	N	N	N	N	L	N	L	L	6
8	O	O	O	O	O	O	O	L	L	L	L	L	L	L	L	7
9	N	N	N	N	N	N	N	N	N	N	N	L	N	N	L	8
10	N	N	O	O	O	O	O	O	O	O	L	O	O	L	O	9
11	N	N	N	N	N	N	N	N	N	N	L	O	O	L	O	10
12	O	O	O	O	L	L	L	L	L	L	L	O	O	N	N	11
13	N	N	N	N	N	N	N	N	N	N	L	O	O	O	O	12
14	N	N	O	O	O	O	O	O	O	O	L	O	O	O	O	13
15	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	14
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	

## VERTICAL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	N	N	N	N	N	N	N	O	O	N	O	N	N	O	N	0
2	N	N	N	N	N	N	N	N	O	O	N	O	N	N	L	1
3	N	N	N	N	N	N	N	N	O	O	N	O	N	N	L	2
4	N	N	N	N	N	N	N	N	O	O	N	O	N	N	L	3
5	N	N	N	N	O	O	N	O	O	N	O	N	N	L	N	4
6	N	N	N	N	O	O	N	O	O	N	L	N	N	L	N	5
7	N	N	N	N	O	O	N	O	O	N	L	N	L	L	N	6
8	N	N	N	N	O	O	N	L	L	L	L	L	L	L	N	7
9	N	N	N	N	O	O	O	O	N	L	N	N	L	N	N	8
10	N	N	N	N	O	O	O	O	N	L	N	N	L	N	N	9
11	N	N	N	N	O	O	O	O	N	L	N	N	L	N	N	10
12	N	N	N	N	L	L	L	L	L	L	N	N	O	N	N	11
13	N	N	N	N	O	O	O	O	N	L	N	N	O	N	N	12
14	N	N	N	N	O	O	O	O	N	L	N	N	O	N	N	13
15	N	N	N	N	O	O	O	O	N	O	N	N	O	N	N	14

A B C D E F G H I J K L M N O

Possible 7 letter positions

Horizontal: G2 H2 G3 H3 G4 H4 D6 E6 A8 B8 C10 D10 E10 F10 G10 C14  
D14 E14 F14 G14 H14

Vertical: E5 E6 E7 E8 F5 F6 F7 F8 H1 H2 H3 H4 H5 H6 H7 I1

Possible 6 letter positions

Horizontal: H2 I2 H3 I3 H4 I4 E6 F6 B8 C8 D10 E10 F10 G10 H10 A12  
D14 E14 F14 G14 H14 I14

Vertical: E6 E7 E8 E9 F6 F7 F8 F9 G9 H2 H3 H4 H5 H6 H7 H8 I2

Possible 5 letter positions

Horizontal: I2 J2 I3 J3 I4 J4 F6 G6 C8 D8 E10 F10 G10 H10 I10 A12  
B12 J13 E14 F14 G14 H14 I14 J14

Vertical: E7 E8 E9 E10 F7 F8 F9 F10 G9 G10 H10 H3 H4 H5 H6 H7  
H8 I3 K1

Possible 4 letter positions

Horizontal: J2 K2 J3 K3 J4 K4 G6 H6 D8 E8 F10 G10 H10 I10 J10 J11  
A12 B12 C12 J13 F14 G14 H14 I14 J14

Vertical: E8 E9 E10 E11 F8 F9 F10 F11 G9 G10 G11 H10 H11 H4 H5  
H6 H7 H8 I4 K2 M7

Possible 3 letter positions

Horizontal: K2 L2 K3 L3 K4 L4 L5 H6 I6 E8 F8 L10 G10 H10 I10 J10  
L11 J11 B12 C12 D12 J13 G14 H14 I14 J14

Vertical: E9 E10 E11 E12 F9 F10 F11 F12 G9 G10 G11 G12 H10 H11  
H12 H5 H6 H7 H8 I5 K3 M7

Possible 2 letter positions

Horizontal: L2 M2 L3 M3 L4 M4 L5 M5 I6 J6 F8 G8 L10 M10 H10 I10  
J10 L11 M11 J11 C12 D12 E12 J13 H14 I14 J14

Vertical: E10 E11 E12 F10 F11 F12 G10 G11 G12 H10 H11 H12 H6 H7  
H8 I6 K4 M7

Possible 1 letter positions

Horizontal: M2 N2 M3 N3 M4 N4 M5 N5 J6 K6 N6 M7 G8 H8 L10 M10 I10  
J10 L11 M11 J11 D12 E12 J13 I14 J14

Vertical: E11 E12 F11 F12 G11 G12 H11 H12 H7 H8 I7 J8 K5 M7 N1



WELCOME TO SCRABBLE

Enter player name:

CoffeeTime

BOT draws a D

CoffeeTime draws a V

BOT starts

A B C D E F G H I J K L M N O

1	3.		2				3.			2			3.		1
2		2.			3				3				2.		2
3			2.			2	2					2.			3
4	2			2.			2					2.		2	4
5					2.						2.				5
6		3				3			3				3		6
7			2				2	2					2		7
8	3.		2					2.				2		3.	8
9		2				2	2					2			9
10		3			3				3				3		10
11				2.						2.					11
12	2			2.			2				2.		2		12
13			2.			2	2					2.			13
14		2.			3				3				2.		14
15	3.		2					3.		2			3.		15

A B C D E F G H I J K L M N O

BOT 0 points

CoffeeTime 0 points

Pool 93 tiles

BOT, your tiles are: E1 G2 T1 A1 R1 O1 E1

BOT enters: 728 A ORGEAT

Word score 16

A B C D E F G H I J K L M N O

1	3.		2				3.			2			3.		1
2		2.			3				3				2.		2
3			2.			2	2					2.			3
4	2			2.			2					2.		2	4
5					2.						2.				5
6		3				3			3				3		6
7			2				2	2					2		7
8	3.		2					O	R	G	E	A	T		8
9		2				2	2					2			9
10		3			3				3				3		10
11				2.						2.					11
12	2			2.			2				2.		2		12
13			2.			2	2					2.			13
14		2.			3				3				2.		14
15	3.		2					3.		2			3.		15

A B C D E F G H I J K L M N O

BOT 16 points

CoffeeTime 0 points

Pool 86 tiles

CoffeeTime, your tiles are: I1 H4 B3 I1 I1 T1 O1

Enter your move: J6 D BIG

Word score 12

A B C D E F G H I J K L M N O

1	3.		2				3.			2			3.		1
2		2.			3				3				2.		2
3			2.			2	2					2.			3

4	2		2.		2		2.		2		4		
5			2.				2.				5		
6		3		3		B			3		6		
7		2			2	2	I		2		7		
8	3.		2			O	R	G	E	A	T	3.	8
9		2			2	2			2			9	
10		3		3			3			3		10	
11			2.				2.					11	
12	2		2.		2			2.		2		12	
13		2.			2	2			2.			13	
14		2.		3			3			2.		14	
15	3.		2			3.		2		3.		15	

A B C D E F G H I J K L M N O

BOT 16 points

CoffeeTime 12 points

Pool 80 tiles

BOT, your tiles are: E1 T1 J8 G2 N1 Z10 E1

BOT enters: 7112 D JANTEE

Word score 26

A B C D E F G H I J K L M N O

1	3.		2			3.		2		3.		1	
2		2.		3			3			2.		2	
3		2.			2	2			2.			3	
4	2		2.			2			2.		2	4	
5				2.				2.				5	
6		3		3			B			3		6	
7		2			2	2	I		J	2		7	
8	3.		2			O	R	G	E	A	T	3.	8
9		2			2	2			N	2		9	
10		3		3				3	T		3	10	
11			2.					2.	E			11	
12	2		2.		2				E		2	12	
13		2.			2	2				2.		13	
14		2.		3			3				2.	14	
15	3.		2			3.		2		3.		15	

A B C D E F G H I J K L M N O

BOT 42 points

CoffeeTime 12 points

Pool 78 tiles

CoffeeTime, your tiles are: H4 I1 I1 T1 O1 D2 N1

Enter your move: J6 A BID

Word score 21

A B C D E F G H I J K L M N O

1	3.		2			3.		2		3.		1	
2		2.		3			3			2.		2	
3		2.			2	2			2.			3	
4	2		2.			2			2.		2	4	
5				2.				2.				5	
6		3		3			B	I	D		3	6	
7		2			2	2	I		J	2		7	
8	3.		2			O	R	G	E	A	T	3.	8
9		2			2	2			N	2		9	
10		3		3				3	T		3	10	
11			2.					2.	E			11	
12	2		2.		2				E		2	12	
13		2.			2	2				2.		13	
14		2.		3			3				2.	14	

15 3. 2 3. 2 3. 15

A B C D E F G H I J K L M N O

BOT 42 points

CoffeeTime 33 points

Pool 73 tiles

BOT, your tiles are: G2 Z10 D2 I1 K5 U1 B3

BOT enters: 767 A BUDGIE

Word score 11

A B C D E F G H I J K L M N O

1	3.	2		3.		2		3.	1
2		2.		3		3		2.	2
3			2.		2	2		2.	3
4	2		2.		2		2.	2	4
5				2.			2.		5
6		3		3		B	I	D	3
7			2		2	I	J	2	7
8	3.		2		O	R	G	E	3.
9		2		2	2		N	2	9
10		3		3		3	T	3	10
11			2.			2.	E		11
12	2		2.		B	U	D	G	2
13		2.		2	2			2.	13
14		2.		3		3		2.	14
15	3.	2		3.		2		3.	15

A B C D E F G H I J K L M N O

BOT 53 points

CoffeeTime 33 points

Pool 71 tiles

CoffeeTime, your tiles are: H4 I1 T1 O1 N1 E1 A1

Enter your move: K11 D HIT

Word score 22

A B C D E F G H I J K L M N O

1	3.	2		3.		2		3.	1
2		2.		3		3		2.	2
3			2.		2	2		2.	3
4	2		2.		2		2.	2	4
5				2.			2.		5
6		3		3		B	I	D	3
7			2		2	I	J	2	7
8	3.		2		O	R	G	E	3.
9		2		2	2		N	2	9
10		3		3		3	T	3	10
11			2.			H	E		11
12	2		2.		B	U	D	G	2
13		2.		2	2	T		2.	13
14		2.		3		3		2.	14
15	3.	2		3.		2		3.	15

A B C D E F G H I J K L M N O

BOT 53 points

CoffeeTime 55 points

Pool 66 tiles

BOT, your tiles are: Z10 K5 H4 E1 Y4 M3 \*0

BOT enters: 688 D sKYHOME

Word score 18

A B C D E F G H I J K L M N O

1	3.	2		3.	2	3.	1
2	2.		3		3	2.	2
3		2.		2	2		3
4	2	2.		s		2.	4
5		2.		K		2.	5
6	3		3	Y	B I D	3	6
7		2		2 H 2 I	J 2		7
8	3.	2		O R G E A T		3.	8
9		2		2 M 2	N 2		9
10	3		3	E	3	T	10
11			2.			H E	11
12	2		2.	B U D G I E		2	12
13		2.		2	2	T	13
14	2.		3		3		14
15	3.	2		3.		2	15

A B C D E F G H I J K L M N O

BOT 71 points

CoffeeTime 55 points

Pool 64 tiles

CoffeeTime, your tiles are: I1 O1 N1 E1 A1 O1 D2

Enter your move: L10 A TOON

Word score 6

A B C D E F G H I J K L M N O

1	3.	2		3.	2	3.	1
2	2.		3		3	2.	2
3		2.		2	2		3
4	2	2.		s		2.	4
5		2.		K		2.	5
6	3		3	Y	B I D	3	6
7		2		2 H 2 I	J 2		7
8	3.	2		O R G E A T		3.	8
9		2		2 M 2	N 2		9
10	3		3	E	3	T O O N	10
11			2.			H E	11
12	2		2.	B U D G I E		2	12
13		2.		2	2	T	13
14	2.		3		3		14
15	3.	2		3.		2	15

A B C D E F G H I J K L M N O

BOT 71 points

CoffeeTime 61 points

Pool 58 tiles

BOT, your tiles are: Z10 T1 N1 F4 Y4 E1 T1

BOT enters: 683 A FYTTEs

Word score 22

A B C D E F G H I J K L M N O

1	3.	2		3.	2	3.	1
2	2.		3		3	2.	2
3		2.		2	2		3
4	2	F Y T T E s				2.	4
5		2.		K		2.	5
6	3		3	Y	B I D	3	6
7		2		2 H 2 I	J 2		7
8	3.	2		O R G E A T		3.	8
9		2		2 M 2	N 2		9
10	3		3	E	3	T O O N	10

11		2.						H	E		11
12	2		2.		B	U	D	G	I	E	2
13		2.		2		2		T		2.	13
14		2.		3			3			2.	14
15	3.		2			3.			2		3.

A B C D E F G H I J K L M N O

BOT 93 points  
CoffeeTime 61 points  
Pool 55 tiles  
CoffeeTime, your tiles are: I1 E1 A1 D2 O1 R1 I1  
Enter your move: G12 D BEAD  
Word score 8

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	3.		2				3.		2		3.					1
2		2.			3			3				2.				2
3			2.		2		2					2.				3
4	2		F	Y	T	T	E	S				2.		2		4
5					2.		K			2.						5
6		3				3		Y		B	I	D		3		6
7			2				2	H	2	I		J	2			7
8	3.		2					O	R	G	E	A	T		3.	8
9			2				2	M	2			N	2			9
10		3				3		E		3		T	O	O	N	10
11				2.							H	E				11
12	2			2.			B	U	D	G	I	E			2	12
13			2.				E		2		T		2.			13
14		2.				3	A			3				2.		14
15	3.		2				D	3.				2			3.	15

A B C D E F G H I J K L M N O

BOT 93 points  
CoffeeTime 69 points  
Pool 50 tiles  
BOT, your tiles are: Z10 N1 O1 E1 A1 U1 E1  
BOT enters: 7315 D ENZONE  
Word score 16

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	3.		2				3.		2		3.					1
2		2.			3			3				2.				2
3			2.		2		2					2.				3
4	2		F	Y	T	T	E	S				2.		2		4
5					2.		K			2.						5
6		3				3		Y		B	I	D		3		6
7			2				2	H	2	I		J	2			7
8	3.		2					O	R	G	E	A	T		3.	8
9			2				2	M	2			N	2		E	9
10		3				3		E		3		T	O	O	N	10
11				2.							H	E		Z		11
12	2			2.			B	U	D	G	I	E		O		12
13			2.				E		2		T		2.	N		13
14		2.				3	A			3				2.	E	14
15	3.		2				D	3.				2			3.	15

A B C D E F G H I J K L M N O

BOT 109 points  
CoffeeTime 69 points  
Pool 47 tiles

CoffeeTime, your tiles are: I1 O1 R1 I1 R1 O1 R1  
Enter your move: G13 A ERROR  
Error: The word entered does not fit with the letters on the board.  
CoffeeTime, your tiles are: I1 O1 R1 I1 R1 O1 R1  
Enter your move: H10 A ERR  
Word score 5

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	3.		2				3.		2		3.				1
2		2.			3				3				2.		2
3			2.			2	2				2.				3
4	2		F	Y	T	T	E	s				2.		2	4
5					2.		K			2.					5
6		3				3	Y		B	I	D		3		6
7			2				2	H	2	I		J	2		7
8	3.		2					O	R	G	E	A	T		8
9			2				2	M	2			N	2	E	9
10		3			3		E	R	R		T	O	O	N	10
11				2.						H	E			Z	11
12	2			2.			B	U	D	G	I	E		O	12
13			2.				E	2		T			2.	N	13
14		2.				3	A			3				2.E	14
15	3.		2				D	3.			2			3.	15

A B C D E F G H I J K L M N O

BOT 109 points  
CoffeeTime 74 points  
Pool 42 tiles  
BOT, your tiles are: A1 U1 O1 N1 R1 S1 I1  
BOT enters: 666 D SUTORIAN  
Word score 62

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	3.		2				3.		2		3.				1
2		2.			S				3				2.		2
3			2.			U	2	2				2.			3
4	2		F	Y	T	T	E	s				2.		2	4
5					2.O		K			2.					5
6		3				R	Y		B	I	D		3		6
7			2			I	2	H	2	I		J	2		7
8	3.		2			A		O	R	G	E	A	T		8
9			2			N	2	M	2			N	2	E	9
10		3			3		E	R	R		T	O	O	N	10
11				2.						H	E			Z	11
12	2			2.			B	U	D	G	I	E		O	12
13			2.				E	2		T			2.	N	13
14		2.				3	A			3				2.E	14
15	3.		2				D	3.			2			3.	15

A B C D E F G H I J K L M N O

BOT 171 points  
CoffeeTime 74 points  
Pool 40 tiles  
CoffeeTime, your tiles are: I1 O1 I1 O1 R1 V4 E1  
Enter your move: G15 A DOOR  
Word score 15

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	3.		2				3.		2		3.				1
2		2.			S				3				2.		2

3		2.		U	2		2.		3						
4	2		F	Y	T	T	E	s	2.	2	4				
5			2.	O		K		2.		5					
6		3			R	Y		B	I	D	3	6			
7			2		I	2	H	2	I		J	2	7		
8	3.		2		A		O	R	G	E	A	T	3.	8	
9			2		N	2	M	2		N	2		E	9	
10		3			3		E	R	R		T	O	O	N	10
11				2.					H	E			Z	11	
12	2			2.			B	U	D	G	I	E		O	12
13			2.			E		2		T		2.	N	13	
14		2.			3	A			3			2.	E	14	
15	3.		2			D	O	O	R		2		3.	15	

A B C D E F G H I J K L M N O

BOT 171 points  
CoffeeTime 89 points  
Pool 33 tiles  
BOT, your tiles are: P3 A1 I1 W4 S1 \*0 A1  
BOT enters: 781 A PIASAvA  
Word score 16

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	3.		2				3.		2		3.		1		
2		2.			S			3			2.		2		
3			2.		U	2		2			2.		3		
4	2			F	Y	T	T	E	s		2.		2	4	
5				2.	O		K		2.				5		
6		3				R	Y		B	I	D		3	6	
7			2			I	2	H	2	I		J	2	7	
8	3.		2		A		O	R	G	E	A	T	3.	8	
9			2		N	2	M	2		N	2		E	9	
10		3			3		E	R	R		T	O	O	N	10
11					2.					H	E		Z	11	
12	2			2.			B	U	D	G	I	E		O	12
13			2.			E		2		T		2.	N	13	
14	P	I	A	S	A	v	A			3			2.	E	14
15	3.		2			D	O	O	R		2		3.	15	

A B C D E F G H I J K L M N O

BOT 187 points  
CoffeeTime 89 points  
Pool 30 tiles  
CoffeeTime, your tiles are: I1 I1 V4 E1 E1 I1 A1  
Enter your move: C6 A VEER  
Word score 7

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	3.		2				3.		2		3.		1		
2		2.			S			3			2.		2		
3			2.		U	2		2			2.		3		
4	2			F	Y	T	T	E	s		2.		2	4	
5				2.	O		K		2.				5		
6		3	V	E	E	R		Y		B	I	D		3	6
7			2			I	2	H	2	I		J	2	7	
8	3.		2		A		O	R	G	E	A	T	3.	8	
9			2		N	2	M	2		N	2		E	9	
10		3			3		E	R	R		T	O	O	N	10
11					2.					H	E		Z	11	
12	2			2.			B	U	D	G	I	E		O	12
13			2.			E		2		T		2.	N	13	

14 P I A S A v A 3 2.E 14  
 15 3. 2 D O O R 2 3. 15

A B C D E F G H I J K L M N O

BOT 187 points  
 CoffeeTime 96 points  
 Pool 24 tiles  
 BOT, your tiles are: W4 W4 M3 D2 F4 C3 A1  
 BOT enters: 755 D MACAW  
 Word score 24

A B C D E F G H I J K L M N O

1 3. 2 3. 2 3. 1  
 2 2. S 3 2. 2  
 3 2. U 2 2. 3  
 4 2 F Y T T E s 2. 2 4  
 5 2.O K 2. 5  
 6 3 V E E R Y B I D 3 6  
 7 2 I 2 H 2 I J 2 7  
 8 3. 2 A O R G E A T 3. 8  
 9 2 N 2 M 2 N 2 E 9  
 10 3 3 E R R T O O N 10  
 11 M H E Z 11  
 12 2 2.A B U D G I E O 12  
 13 2. C E 2 T 2. N 13  
 14 P I A S A v A 3 2.E 14  
 15 3. 2 W D O O R 2 3. 15

A B C D E F G H I J K L M N O

BOT 211 points  
 CoffeeTime 96 points  
 Pool 21 tiles  
 CoffeeTime, your tiles are: I1 I1 I1 A1 O1 X8 I1  
 Enter your move: E7 A XI  
 Word score 18

A B C D E F G H I J K L M N O

1 3. 2 3. 2 3. 1  
 2 2. S 3 2. 2  
 3 2. U 2 2. 3  
 4 2 F Y T T E s 2. 2 4  
 5 2.O K 2. 5  
 6 3 V E E R Y B I D 3 6  
 7 2 X I 2 H 2 I J 2 7  
 8 3. 2 A O R G E A T 3. 8  
 9 2 N 2 M 2 N 2 E 9  
 10 3 3 E R R T O O N 10  
 11 M H E Z 11  
 12 2 2.A B U D G I E O 12  
 13 2. C E 2 T 2. N 13  
 14 P I A S A v A 3 2.E 14  
 15 3. 2 W D O O R 2 3. 15

A B C D E F G H I J K L M N O

BOT 211 points  
 CoffeeTime 114 points  
 Pool 17 tiles  
 BOT, your tiles are: W4 D2 F4 T1 E1 N1 A1  
 BOT enters: 6511 D DEWANI  
 Word score 20



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	3.		2						3.		D	2		3.	1
2		2.			S					3	E		2.		2
3			2.		U	2		2			W		2.		3
4	2		F	Y	T	T	E	s			A	2.		2	4
5				2.	O		K				N				5
6		3	V	E	E	R		Y		B	I	D		3	6
7			2		X	I	2	H	2	I		J	2		7
8	3.		2		A		O	R	G	E	A	T		3.	8
9			2			N	2	M	2			N	2	E	9
10		3				3		E	R	R		T	O	O	10
11					M						H	E		Z	11
12	2			2.	A		B	U	D	G	I	E		O	12
13			2.		C		E		2		T		2.	N	13
14	P	I	A	S	A	v	A			3				2.	14
15	3.		2	W			D	O	O	R		2		3.	15

A B C D E F G H I J K L M N O

BOT 231 points  
CoffeeTime 114 points  
Pool 16 tiles  
CoffeeTime, your tiles are: I1 I1 I1 A1 O1 I1 S1  
Enter your move: N13 A IN  
Word score 2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	3.		2						3.		D	2		3.	1
2		2.			S					3	E		2.		2
3			2.		U	2		2			W		2.		3
4	2		F	Y	T	T	E	s			A	2.		2	4
5				2.	O		K				N				5
6		3	V	E	E	R		Y		B	I	D		3	6
7			2		X	I	2	H	2	I		J	2		7
8	3.		2		A		O	R	G	E	A	T		3.	8
9			2			N	2	M	2			N	2	E	9
10		3				3		E	R	R		T	O	O	10
11					M						H	E		Z	11
12	2			2.	A		B	U	D	G	I	E		O	12
13			2.		C		E		2		T		2.	I	13
14	P	I	A	S	A	v	A			3				2.	14
15	3.		2	W			D	O	O	R		2		3.	15

A B C D E F G H I J K L M N O

BOT 231 points  
CoffeeTime 116 points  
Pool 11 tiles  
BOT, your tiles are: F4 T1 L1 P3 C3 V4 G2  
BOT enters: 669 A CLEPT  
Word score 11

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	3.		2						3.		D	2		3.	1
2		2.			S					C	L	E	P	T	2
3			2.		U	2		2			W		2.		3
4	2		F	Y	T	T	E	s			A	2.		2	4
5				2.	O		K				N				5
6		3	V	E	E	R		Y		B	I	D		3	6
7			2		X	I	2	H	2	I		J	2		7
8	3.		2		A		O	R	G	E	A	T		3.	8
9			2			N	2	M	2			N	2	E	9

10	3		3	E	R	R		T	O	O	N	10	
11			M					H	E		Z	11	
12	2		2.A	B	U	D	G	I	E		O	12	
13		2.	C	E	2		T		2.I	N		13	
14	P	I	A	S	A	v	A		3		2.E	14	
15	3.		2	W		D	O	O	R	2		3.	15

A B C D E F G H I J K L M N O

BOT 242 points  
CoffeeTime 116 points  
Pool 10 tiles  
CoffeeTime, your tiles are: I1 I1 A1 O1 I1 S1 U1  
Enter your move: I13 A SIT  
Word score 11

A B C D E F G H I J K L M N O

1	3.		2			3.		D	2		3.	1			
2		2.		S				C	L	E	P	T	2.	2	
3			2.		U	2		2		W		2.		3	
4	2		F	Y	T	T	E	s		A	2.		2	4	
5				2.O		K				N				5	
6		3	V	E	E	R		Y		B	I	D	3	6	
7			2		X	I	2	H	2	I		J	2	7	
8	3.		2		A			O	R	G	E	A	T	3.	8
9			2			N	2	M	2			N	2	E	9
10	3				3	E	R	R		T	O	O	N		10
11					M					H	E		Z		11
12	2			2.A	B	U	D	G	I	E			O		12
13			2.	C	E			S	I	T		2.I	N		13
14	P	I	A	S	A	v	A			3			2.E		14
15	3.			2	W			D	O	O	R	2		3.	15

A B C D E F G H I J K L M N O

BOT 242 points  
CoffeeTime 127 points  
Pool 6 tiles  
BOT, your tiles are: F4 V4 G2 L1 A1 L1 E1  
BOT enters: 723 D FAVELLA  
Word score 28

A B C D E F G H I J K L M N O

1	3.		2			3.		D	2		3.	1				
2		2.		S				C	L	E	P	T	2.	2		
3			2.		U	2		2		W		2.		3		
4	2		F	Y	T	T	E	s		A	2.		2	4		
5				2.O		K				N				5		
6		3	V	E	E	R		Y		B	I	D	3	6		
7			2		X	I	2	H	2	I		J	2	7		
8	3.		F	2		A			O	R	G	E	A	T	3.	8
9			A			N	2	M	2			N	2	E		9
10	3	V			3	E	R	R		T	O	O	N			10
11			E		M					H	E		Z			11
12	2		L	2.A	B	U	D	G	I	E			O			12
13			L		C	E		S	I	T		2.I	N			13
14	P	I	A	S	A	v	A			3			2.E			14
15	3.			2	W			D	O	O	R	2		3.		15

A B C D E F G H I J K L M N O

BOT 270 points  
CoffeeTime 127 points

Pool 4 tiles  
CoffeeTime, your tiles are: I1 A1 O1 I1 U1 R1 S1  
Enter your move: F2 A SIR  
Word score 12

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	3.		2						3.	D	2		3.		1
2		2.			S	I	R	C	L	E	P	T	2.		2
3			2.		U	2		2		W		2.			3
4	2		F	Y	T	T	E	s		A	2.		2		4
5				2.	O		K			N					5
6		3	V	E	E	R		Y		B	I	D		3	6
7			2		X	I	2	H	2	I		J	2		7
8	3.		F	2		A		O	R	G	E	A	T		8
9			A			N	2	M	2			N	2	E	9
10		3	V			3		E	R	R		T	O	O	10
11			E		M					H	E			Z	11
12	2		L	2.	A		B	U	D	G	I	E		O	12
13			L		C		E		S	I	T		2.	I	13
14	P	I	A	S	A	v	A			3			2.	E	14
15	3.		2	W		D	O	O	R		2		3.		15

A B C D E F G H I J K L M N O

BOT 270 points  
CoffeeTime 139 points  
Pool 0 tiles  
BOT, your tiles are: G2 U1 N1 L1 Q10  
BOT enters: 6613 D TUNG  
Word score 10

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	3.		2						3.	D	2		3.		1
2		2.			S	I	R	C	L	E	P	T	2.		2
3			2.		U	2		2		W		U			3
4	2		F	Y	T	T	E	s		A	2.	N		2	4
5				2.	O		K			N		G			5
6		3	V	E	E	R		Y		B	I	D		3	6
7			2		X	I	2	H	2	I		J	2		7
8	3.		F	2		A		O	R	G	E	A	T		8
9			A			N	2	M	2			N	2	E	9
10		3	V			3		E	R	R		T	O	O	10
11			E		M					H	E			Z	11
12	2		L	2.	A		B	U	D	G	I	E		O	12
13			L		C		E		S	I	T		2.	I	13
14	P	I	A	S	A	v	A			3			2.	E	14
15	3.		2	W		D	O	O	R		2		3.		15

A B C D E F G H I J K L M N O

BOT 280 points  
CoffeeTime 139 points  
Pool 0 tiles  
CoffeeTime, your tiles are: A1 O1 I1 U1 S1  
Enter your move: J15 RAOIUS  
Error: syntax incorrect. See help.  
CoffeeTime, your tiles are: A1 O1 I1 U1 S1  
Enter your move: J15 A RAOIUS  
Word score 81  
BOT 269 points  
CoffeeTime 231 points  
BOT wins  
GAME OVER

