| # | Roll No | Name | PC | Part 1 (4) | Part 2 (12) | Part 3 (4x3) | Part 4 (8) | Main (4) | Output (10) | Total (50) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 18CS91P03 | Bishakh Chandra Ghosh | 52 | 4 | 12 | 12 | 2 | 4 | 10 | 44 | notreecomp(): Not a poly-time function. It does the same thing as the tree traversal. Perfect otherwise. |
| 2 | 18CS92R06 | Paramita Das | 60 | 4 | 4 | 0 | 0 | 2 | 0 | 10 | Core dumped before any output. Nothing other than buildtree() attempted. Attempt is syntactically faulty (no return value). Logically too, there are serious problems. For example, probabilities are nowhere multiplied. |
| 3 | 19CS60A01 | Manish Chandra | 18 | 4 | 12 | 9 | 1 | 4 | 8 | 38 | Output for notreecomp() wrong. Very incompete implementation of the function. Functions of Part 3 are inefficient (traversal from leaf to root). |
| 4 | 19CS60D01 | Divya Yadav | 53 | 4 | 12 | 0 | 0 | 2 | 2 | 20 | buildtree(): seems logically correct, but printtree() prints 15 nodes, the count is incorrect. Nothing else is implemented. |
| 5 | 19CS60D02 | Priti Shekhawat | 43 | 4 | 2 | 3 | 4 | 0 | 0 | 13 | Uncompiled code. Practically nothing significant is done. Part 2: No probability multiplications. Part 3: Only leaf counts prepared. Part 4: Nothing meaningful. |
| 6 | 19CS60D03 | Pranav Anand | 15 | 4 | 4 | 2 | 0 | 1 | 2 | 13 | buildtree(): serious bugs (for example, *countH, *countT, *level permanently changed). Allevents(): faulty. Ouput: faulty (only allevents printed). Indentation is rather bad (2 deducted from main). |
| 7 | 19CS60D04 | Sharik A | 12 | 4 | 4 | 2 | 2 | 4 | 2 | 18 | buildtree(): logically faulty. Allevents(): Don't print H, T like that. No other functions in Part 3. Part 4: Faulty logic, but some effort is made. Practically no output. |
| 8 | 19CS60D05 | Amresh Kumar | 11 | 4 | 4 | 0 | 0 | 4 | 2 | 14 | InsertTree(): Ony function that is written (faulty though, for example, nothing is done with the return value). Nothing else written. Practically no output. |
| 9 | 19CS60D06 | Avinash Singh | 48 | 4 | 2 | 0 | 1 | 4 | 0 | 11 | Uncompiled code. Practically nothing significant is done. Buidtree(): not recursive. Part 4: Very little done. No output. |
| 10 | 19CS60D07 | Jaspreet Singh Suddel | 41 | 4 | 2 | 0 | 0 | 1 | 4 | 11 | Practically nothing significant is done. Nodes get probability P[i], why? All functions of Parts 3 and 4 are blank. All outputs are faulty. Indentation horrible (–2 from main). |
| 11 | 19CS60R01 | Ronit Samaddar | 72 | 4 | 12 | 10 | 4 | 4 | 10 | 44 | notreecomp(): Not a poly-time function. It does the same thing as the tree traversal. Two calls for every function in Parts 3 and 4. Perfect otherwise. |
| 12 | 19CS60R02 | Ayan Maity | 71 | 4 | 12 | 12 | 4 | 4 | 10 | 46 | notreecomp(): Not a poly-time function. It does the same thing as tree traversal. Perfect otherwise. |
| 13 | 19CS60R03 | Pallab Nandi | 28 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | Uncompiled code. Class definition syntactically incorrect. Nothing else done. No main. No output. |
| 14 | 19CS60R04 | Pratik Roy | – | | | | | | | 0 | NO SUBMISSION. |
| 15 | 19CS60R05 | Arnab Sinha | 73 | 4 | 12 | 6 | 0 | 4 | 6 | 32 | No output of extremeevents and notreecomp(). Part 3 uses global arrays. Notreecomp() not implemented. |
| 16 | 19CS60R06 | Abhishek Khari | 35 | 4 | 8 | 8 | 0 | 4 | 0 | 24 | Uncompiled code. Buildtree(): Logically faulty, why change the p[] array? Part 3 functions: Should not pass nh++ and nt++. Part 4 not implemented. No output. |
| 17 | 19CS60R07 | Anju Punuru | 62 | 4 | 2 | 6 | 0 | 1 | 0 | 13 | Uncompiled code. Buildtree(): Very faulty. Allevents(): Why use palindromes (commented though)? Part 4: Very faulty, why powers of 2, i/2? Indentation horrible (-2 from main). No output. |
| 18 | 19CS60R08 | Aditya Singh | O | 4 | 12 | 8 | 8 | 4 | 10 | 46 | Too many calls of print(). This function is logically faulty. It checks equality of probabilities. What happens if two leaves have the same probability? Also, each print() is a full traversal of the tree. Otherwise OK. |
| 19 | 19CS60R09 | Saurav Roy | E | 4 | 12 | 6 | 0 | 4 | 6 | 32 | Inorder() and inorderprob() inefficient, why use a loop to detect the string? Extremeevents() does nothing. Notreecomp() not implemented. No output for these two functions. |

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| 20 | 19CS60R10 | Sourav Saha | O | 4 | 6 | 6 | 1 | 4 | 8 | 29 | A full binary tree is created in Part 2 and worked with in Part 3. This is not what you are asked to do. What does check() in Part 4 do? No output of Part 4. |
| 21 | 19CS60R11 | Pratik Shalikrao Patil | 17 | 4 | 12 | 12 | 2 | 4 | 10 | 44 | Notreecomp() can handle only special cases (good for n=5 in output). There are many other cases like TTHTTHHHH. |
| 22 | 19CS60R12 | Anchal Singh | 80 | 4 | 10 | 6 | 0 | 2 | 2 | 24 | buidtree(): Conceptually fine, but use of countequal() is inefficient. Horrible use of local variables h and t1 in all the functions of Part 3. Part 4 not implemented. Output very incorrect. Indentation not good (-2 deducted from main). |
| 23 | 19CS60R13 | Kunal Devanand Zodape | E | 4 | 4 | 4 | 0 | 4 | 4 | 20 | buildtree(): No effort on comparing H and T counts, no probability multiplication. Part 3: What is a stack doing in each function, no tree traversal? Part 4: Stack again, why? You are asked not to use any STL data types. All outputs are incorrect. |
| 24 | 19CS60R14 | Bipin Jaiswal | 21 | 4 | 8 | 4 | 0 | 2 | 6 | 24 | Global variables and STL types used. Extremeevents() and notreecomp() not implemented. No serious effort on indentation (-2 from main). |
| 25 | 19CS60R15 | David Johnson Ekka | 69 | 4 | 12 | 6 | 0 | 0 | 0 | 22 | Uncompiled code. Class prob_tree uses global variables. Buidtree() conceptually correct. Notreecomp() is not doing anything significant logically. No output. |
| 26 | 19CS60R16 | Rajpratim Mitra | 74 | 4 | 12 | 6 | 0 | 4 | 4 | 30 | Succprob(): No return value (not complete). Extremeevents() and notreecomp() not implemented. Output present and correct for allevents() only. |
| 27 | 19CS60R17 | Soumyadip Majumdar | 76 | 4 | 6 | 8 | 0 | 3 | 2 | 23 | buildtree(): Full tree created (no check on H and T counts). Part 3 functions are reasonably okay, but have bugs (like f, s are local). Part 4 function (commented) does not do anything significant. All outputts are incorrect. |
| 28 | 19CS60R18 | Megha Bansal | 47 | 4 | 8 | 2 | 0 | 4 | 1 | 19 | No meaningful output (sometimes Seg Fault). Code is also very incomplete. Part 2 logically okayish. Part 3 (printtree) is logically fine, but you are supposed to implement more. |
| 29 | 19CS60R19 | Shwetambari Kumari | 61 | 2 | 2 | 0 | 0 | 0 | 0 | 4 | Whatever is submitted is not a C code. Even the bintree data type has unnecessary fields. There is no main. Statements appear outside all functions. |
| 30 | 19CS60R20 | Aditya Kishan Lalwani | 88 | 4 | 12 | 8 | 0 | 4 | 8 | 36 | Part 4 output hangs. Global variables used in class Tree in Part 3. What is a queue doing in Part 4? |
| 31 | 19CS60R21 | Shivam Kumar | 31 | 4 | 12 | 10 | 0 | 4 | 8 | 38 | Data type: Better do not give the name bst to a binary tree. Part 4 output incorrect (not implemented). Part 3 functions do not follow the instructions of the assignment. |
| 32 | 19CS60R22 | Aditya Sharan | 33 | 4 | 2 | 0 | 0 | 1 | 1 | 8 | No output. Practically nothing is done. Indentation poor (-2 from main). |
| 33 | 19CS60R23 | Anupam Kumar Gupta | 19 | 4 | 2 | 4 | 0 | 4 | 0 | 14 | Buildtree() commented, so no compilation or output. Buildtree() is logically very incorrrect. All the functions of Part 3 have serious bugs. The different versions of postorder take only a pointer to the current node as the argument. How will it work? Notreecomp() not implemented. |
| 34 | 19CS60R24 | Ashwini Rawat | 58 | 4 | 4 | 4 | 2 | 2 | 2 | 18 | Part 4 implemented first, but deals with a simple case (cases like TTHTHH not covered). This may be good for n=5. Parts 2 and 3 use essentially the same thing with additional tree-related calls. Quite faulty. Segmentation fault after Part 4 printing. -2 deducted from main for bad indentation. |
| 35 | 19CS60R25 | Ishika Kakkar | 40 | 4 | 12 | 12 | 2 | 4 | 10 | 44 | notreecomp(): Not a poly-time function. It does the same thing as tree traversal. Perfect otherwise. |
| 36 | 19CS60R26 | Taishi Roy | 39 | 4 | 10 | 6 | 0 | 4 | 5 | 29 | Ouput full of errors. Buildtree(): okayish, but why are probabilities relocated in P[] (inefficient)? Part 3 functions use global variables. Also what is the parent of root? Part 4: Practically not done. |
| 37 | 19CS60R27 | Avani Goel | 65 | 4 | 12 | 6 | 2 | 4 | 5 | 33 | Output incomplete (events not printed) and erroneous (Part 4). Global variables used in Part 3. Notreecomp() handles only specific cases. |
| 38 | 19CS60R28 | Samir Milind Ghui | 13 | 4 | 12 | 10 | 0 | 4 | 8 | 38 | Part 3: Inefficient counting to find successful/unsuccessful termination. Part 4 not implemented. |

| # | Roll | Name | | | | | | | | Total | Remarks |
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| 39 | 19CS60R29 | Tridhara Chakrabarti | 32 | 4 | 12 | 6 | 0 | 2 | 6 | **30** | extremeevents() and notreecomp() missing. Inefficient copy of s1[] and s2[] in allevents(). Set pointers to NULL (not 0). No effort on indentation (-2 deducted from main). |
| 40 | 19CS60R30 | Priya Sharma | 70 | 4 | 12 | 12 | 2 | 4 | 8 | **42** | Output of Part 4 faulty. Notreecomp essentially does the same thing as tree traversal (not poly-time). |
| 41 | 19CS60R31 | Shukrayani Sanjay Redkar | 63 | 4 | 12 | 6 | 0 | 4 | 7 | **33** | Output: Initial T missing in extreme events, no output of Part 4. Global variables used in Part 3. strcpy inefficient in allevents. Notreecomp(): Practically nothing done. |
| 42 | 19CS60R32 | Nitesh Kumar Gaur | 22 | 4 | 10 | 6 | 0 | 4 | 8 | **32** | No output of Part 4. Both Parts 2 and 3 use global variables. No effort is made on tree traversal. Why is allevents() included in buildtree? Part 4: essentially nothing done. |
| 43 | 19CS60R33 | Shriti Raj | 68 | 4 | 2 | 3 | 0 | 4 | 0 | **13** | Uncompiled code. Parts 2 and 3 functions have serious logical bugs. Part 4 not implemented. |
| 44 | 19CS60R34 | Diksha Kumari | – | | | | | | | | **0** | NO SUBMISSION. |
| 45 | 19CS60R35 | Saptarshi Chatterjee | 27 | 4 | 10 | 12 | 0 | 4 | 8 | **38** | buildtree(): Not a good idea to build a full tree, and then prune the unnecessary nodes. Notreecomp(): Essentially nothing done, the printing is the output of Part 3. |
| 46 | 19CS60R36 | Gaurav Bartwal | 26 | 4 | 10 | 12 | 2 | 4 | 7 | **39** | Output: Some problem in the output extremeevets(). Output of notreecomp() wrong. Only a special case (like TTTHHH) is handled by notreecomp(). Okay otherwise. |
| 47 | 19CS60R37 | Arshdeep Singh | 16 | 4 | 12 | 12 | 2 | 4 | 8 | **42** | No output of Part 4. Not clear what notreecomp() is doing. Since two recursive calls are made, this looks like traversing the entire tree (not doable in poly time). |
| 48 | 19CS60R38 | Vivek Sharma | 56 | 4 | 12 | 12 | 2 | 4 | 8 | **42** | Ouput of notreecomp() wrong. Why use linked lists in extremeevents()? Notreecomp() does the same thing like tree traversal (not poly time). |
| 49 | 19CS60R39 | Anmol Yadav | 36 | 4 | 10 | 7 | 0 | 4 | 6 | **31** | Outputs missing for extremeevents() and notreecomp(). Why copy probability array in buildtree() (inefficient)? Again too many copies in Part 3. Extremeevents() not complete. Part 4 not done. |
| 50 | 19CS60R40 | Jay Gopilal Bhutada | 57 | 4 | 12 | 12 | 6 | 4 | 8 | **46** | Output of Part 4 is generated by Part 3. Notreecomp() code: Good start. |
| 51 | 19CS60R41 | Hemlata Ramesh Chandewar | ? | 4 | 6 | 2 | 1 | 4 | 2 | **19** | Very faulty output (close to nothing). Ful tree created in Part 2. Only allevents() implemented in Part 3 (faulty). Notreecomp() code also has serious logical problems. |
| 52 | 19CS60R42 | Jayanta Sharma | 37 | 4 | 12 | 6 | 0 | 4 | 3 | **29** | Output very faulty and incomplete. Buildtree() code: Logically okay. Part 3 functions okayish, but no printing effort. Part  not implemented. |
| 53 | 19CS60R43 | Anju Sujith | E | 4 | 10 | 8 | 0 | 4 | 8 | **34** | buildtree(): inefficient traversal at each node, depending only on probability (will fail if head probability is 0.5 at some step). Same problem in all functions of Part 3. Part  not implemented. |
| 54 | 19CS60R44 | Mohit Gupta | 90 | 4 | 6 | 2 | 0 | 2 | 2 | **16** | Garbled output of only allevents(). Full tree created in Part 2. Only allevents() implemented in Part 2 (faulty). Indentation is bad (-1 deducted from main). |
| 55 | 19CS60R45 | Jyoti Sharma | 42 | 4 | 12 | 12 | 2 | 4 | 10 | **44** | Part 3 functions may be made cleaner. Notreecomp(): Only special cases considered (good for n=5, bt not in general). |
| 56 | 19CS60R46 | Vindhyansh Mall | – | | | | | | | | **0** | NO SUBMISSION. |
| 57 | 19CS60R47 | Jhala Divyarajsinh Hanubha | E | 4 | 12 | 12 | 2 | 4 | 10 | **44** | notreecomp(): Only special cases considered (good for n=5, but not in general). |
| 58 | 19CS60R48 | Abhishek Shaw | 75 | 4 | 12 | 10 | 0 | 4 | 7 | **37** | Output: extremeevents() not fully correct, notreecomp() missing. Global variable used in successprob(). Code of notreecomp(): Essentially nothing done. |

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| 59 | 19CS60R49 | Prashant Tiwari | 77 | 4 | 10 | 3 | 2 | 4 | 2 | **25** | Very faulty output (close to nothing). Buildtree(): Two malloc's per node. Allevents(): printing unterminated strings. Other two functions of Part 3 are essentially not implemented. Code of notreecomp(): Seems like dealing with some special cases. |
| 60 | 19CS60R50 | Anirban Saha | 85 | 4 | 6 | 7 | 0 | 4 | 2 | **23** | Output very faulty, evenually segmentation fault. Code for buildtree() has many bugs (even probability calculation is not correct). Part 3 code: allevents() logically OK, extremeevents() is copy of allevents (nothing new), successprob() incomplete. Part 4 not implemented. |
| 61 | 19CS60R51 | Vishal Bansal | 54 | 4 | 12 | 8 | 0 | 4 | 6 | **34** | Output from only allevents() and extremevents(). Success probability with/without tree not computed. |
| 62 | 19CS60R52 | Nilesh Laad | O | 4 | 12 | 4 | 0 | 4 | 4 | **28** | Output only from allevents(). Part 2 functions use STL strings. Success probabilities not computed. |
| 63 | 19CS60R53 | Febin John Sam | 51 | 4 | 10 | 10 | 1 | 4 | 8 | **37** | Part 4 output wrong. Why is count computed in each node (inefficient). Same in all Part 3 functions. Part 4: Essentially nothing done. |
| 64 | 19CS60R54 | Shirish Kumar Shukla | O | 4 | 12 | 10 | 0 | 4 | 4 | **34** | Only the output of allevents() is correct (and present). Part 3 code: allevents() fine, others good effort (but buggy). Notreecomp() (commented): No real progress. |
| 65 | 19CS60R55 | Divyanshu Saxena | 78 | 4 | 10 | 6 | 2 | 4 | 0 | **26** | Uncompiled code. adding_nodes(): Why count h and t for every node (inefficient). Allevents() and successprob() has the same inefficiency. Extremeevents() not implemented. Notreecomp() implements special cases only. |
| 66 | 19CS60R56 | Shubhanshu Rajput | 34 | 4 | 10 | 6 | 0 | 4 | 8 | **32** | Part 4 output missing (not implemented). Buildttree(): unnecessary and wasteful use of arr[]. Part 3: No tree traversal, arrr[] accessed like heaps. |
| 67 | 19CS60R57 | Milap Bhupendrabhai Radia | 55 | 4 | 10 | 12 | 0 | 4 | 8 | **38** | buildtree(): inefficient insert() always starting from the root. Notreecomp() calls successprob(), no credit for that. |
| 68 | 19CS60R58 | Seema | E | 4 | 6 | 0 | 0 | 0 | 0 | **10** | No output. rec_tree() quite buggy. Essentially nothing else is implemented. -2 deducted from main for poor indentation. |
| 69 | 19CS60R61 | Sonali Meena | ? | 4 | 4 | 1 | 1 | 0 | 0 | **10** | Little effort in Part 1. Very insignificant work done for the rest. No output. |
| 70 | 19CS60R63 | Damera Ajay | E | 4 | 10 | 12 | 0 | 4 | 8 | **38** | Output of Part 4 missing. Inefficient insert starting from root in Part 2. Part 3: Too many functions. Part 4: Not done. |
| 71 | 19CS60R64 | Sumit Badyakar | – | | | | | | | **0** | NO SUBMISSION. |
| 72 | 19CS60R65 | Madda Manjusha | O | 4 | 2 | 0 | 0 | 0 | 0 | **6** | No significant output (seg fault eventually). Nothing essential done. -2 deducted from main for no indentation effort. |
| 73 | 19CS60R66 | Ankit Pagare | 100 | 4 | 12 | 0 | 0 | 0 | 0 | **16** | Essentialy no output. Code for buidtree(): logically ok. Very little done after that. -2 deducted from main for bad indentation. |
| 74 | 19CS60R67 | Hasmita Kurre | 99 | 4 | 10 | 2 | 0 | 0 | 4 | **20** | Core dumped before any output. Buildtree(): Reasonable use headcount and tailcount are permanently incremented. Allevents(): quite buggy. No other function implemented. |
| 75 | 19CS60R68 | Narendra Pratap Singh Parmar | 97 | 4 | 8 | 6 | 0 | 4 | 6 | **28** | Output of extremeevents() and notreecomp() missing. What is a linked list doing in biuldtree()? You are asked to build a binary tree, not a list. Part 3: extremeevents() not implemented. STL data type (vector) used. Part 4: Not done. |
| 76 | 19CS60R69 | Prashant Banjare | 81 | 4 | 12 | 6 | 0 | 4 | 4 | **30** | Very faulty output. Buildtree(): Logically reasonable. Allevents(): Why store all events in arrays? Output tends to imply non-null-terminated strings. Other functions of Part 3 use a list rather than the tree, and the results are quite wrong. Part 4: Not implemented. |
| 77 | 19CS91R04 | Manoranjan Behera | 50 | 3 | 0 | 0 | 0 | 0 | 0 | **3** | Uncompiled code. What is float root in tnode? Buildtree() is BST insert. Nothing else essentially done. Not even a main function is written. |