

## WT 91: Combinatorial testing: Black box machine

---

[3:58:54 PM] \*\*\* Weekend Testing added neelima \*\*\*

[3:59:42 PM] \*\*\* Weekend Testing added Nadim Saker \*\*\*

[4:00:09 PM] Weekend Testing: hello folks

[4:00:17 PM] Weekend Testing: lets wait for few more mins

[4:01:33 PM] Nadim Saker: ok

[4:03:54 PM] Weekend Testing: ok, lets start

[4:04:09 PM] Weekend Testing: Thanks Koh, Nadim, Neelima for joining

[4:04:23 PM] Weekend Testing: please introduce yourselves...

[4:05:03 PM] Koh Takahashi: Hi I'm Koh from Japan. I've been doing software testing 8 months now.

[4:05:23 PM] neelima: Hi, This is my second session, Happy to meet you all. I have 3+ years exp in testing, currently searching for job

[4:05:40 PM] Nadim Saker: Hi

[4:05:44 PM] Nadim Saker: I am Nadim from Dhaka

[4:05:59 PM] Nadim Saker: I have 10 years of testing experience

[4:06:13 PM] Weekend Testing: Thanks All.

[4:06:17 PM] Nadim Saker: this is my first session

[4:06:24 PM] Weekend Testing: I am Ajay, your facilitator for today.

[4:06:29 PM] Weekend Testing: first one hr, we will test

[4:06:42 PM] Weekend Testing: and the next 1 hr, we will discuss abt our testing session

[4:06:53 PM] Weekend Testing: Today's session is about combinatorial testing

[4:06:56 PM] Weekend Testing: technique.

[4:06:57 PM] Weekend Testing: [http://www.workroom-productions.com/black\\_box\\_machines.html](http://www.workroom-productions.com/black_box_machines.html)

[4:07:03 PM] Weekend Testing: Please download puzzle 5

[4:08:05 PM] Weekend Testing: we will find out about this puzzle behavior

[4:08:12 PM] Weekend Testing: through combinatorial testing technique.

[4:08:40 PM] Koh Takahashi: Clicking "download" link does nothing

## WT 91: Combinatorial testing: Black box machine

---

[4:08:54 PM] \*\*\* Weekend Testing added Jagannath Sriramulu(Jagan) \*\*\*

[4:09:17 PM] Weekend Testing: Right click > Save link as?

[4:10:03 PM] Koh Takahashi: no just normal left click

[4:11:41 PM] Weekend Testing: any questions?

[4:11:59 PM] neelima: downloaded but how do i open it? I mean using which program

[4:12:19 PM] neelima: it is .swf file

[4:12:19 PM] Weekend Testing: any flash player

[4:12:23 PM] Weekend Testing: or browser

[4:12:34 PM] Koh Takahashi: Opening on chrome works for me

[4:12:37 PM] Weekend Testing: [www.fileinfo.com](http://www.fileinfo.com) gives info about file formats

[4:12:44 PM] neelima: ok

[4:13:16 PM] neelima: opened it in firefox

[4:13:44 PM] Weekend Testing: so we have 55 mins left

[4:13:53 PM] Weekend Testing: please make a note of your observations

[4:14:00 PM] Weekend Testing: in your test report document

[4:17:49 PM] Weekend Testing: each one of you can work in solo

[4:17:59 PM] Weekend Testing: or all of you can work as one group too

[4:19:06 PM] neelima: what do you suggest Ajay

[4:19:17 PM] neelima: I think everyone is doing solo

[4:19:31 PM] Weekend Testing: don't you think there are many combinations?

[4:19:45 PM] neelima: hmm.. yes there are

[4:20:15 PM] Jagannath Sriramulu(Jagan): Yes...working in groups, covers more functionalities....

[4:20:23 PM] Jagannath Sriramulu(Jagan): I can join with any one who wish to

[4:23:31 PM] neelima: I have no clue what to do with it. Plz help me

[4:23:44 PM] Weekend Testing: Jagan, can you help Neelima?

## WT 91: Combinatorial testing: Black box machine

---

[4:23:53 PM] Jagannath Sriramulu(Jagan): ok....Sure

[4:24:14 PM] neelima: what do you mean functionalities here?

[4:25:40 PM] Jagannath Sriramulu(Jagan): [4:24 PM] Jagannath Sriramulu(Jagan):

<<< Functionalities here means, how the different combinations of Yellow lights influence the lights display

[4:32:00 PM] Weekend Testing: Koh, Nadim - any progress?

[4:41:16 PM] Weekend Testing: anyone there?

[4:41:19 PM] Weekend Testing: any progress?

[4:48:48 PM] Weekend Testing: 15 more mins, then we will meet for discussion session

[5:01:26 PM] Weekend Testing: ready?

[5:01:31 PM] Weekend Testing: can we discuss?

[5:02:00 PM] Koh Takahashi: How many minutes do we have left?

[5:02:14 PM] \*\*\* Group call, no answer. \*\*\*

[5:02:20 PM] Weekend Testing: anyone there?

[5:02:54 PM] Jagannath Sriramulu(Jagan): yes

[5:03:10 PM | Edited 5:03:19 PM] Weekend Testing: thanks Jagan. what about others

[5:03:27 PM] Weekend Testing: Koh, Nadim, Neelima

[5:04:18 PM] neelima: Jagan helped me to understand

[5:04:22 PM] neelima: thanks jagan

[5:04:53 PM] neelima: if everyone is ready may be we can start

[5:05:00 PM] Weekend Testing: ok, Neelima would you like to share your experience first

[5:05:03 PM] Koh Takahashi: sorry my connection seemed lost

[5:05:08 PM] Koh Takahashi: but i'm here now

[5:05:09 PM] Weekend Testing: Koh's skype seems to be hung.

[5:05:14 PM] Koh Takahashi: The session time ended?

## WT 91: Combinatorial testing: Black box machine

---

[5:05:21 PM] Jagannath Sriramulu(Jagan): All credits should go to Ajay for facilitating this session

[5:05:58 PM] Koh Takahashi: Hello anyone here?

[5:06:19 PM] Koh Takahashi: I don't see you guys online

[5:06:45 PM] neelima: First time when i look at the puzzle absolutely i have no idea what i am supposed to test, ofcourse now i understand

[5:06:55 PM] Koh Takahashi: Hello?

[5:06:56 PM] Weekend Testing: ok

[5:07:35 PM] neelima: I started pressing green button and lights started flashing.. observed pressing all the yellow once

[5:08:01 PM] neelima: observed the way the light blinking is varying on the yellow ones selection

[5:08:36 PM] neelima: top row has all in red color where as 2nd row has all diff colors

[5:09:24 PM] Weekend Testing: ok

[5:09:35 PM] Weekend Testing: how was it playing with different combinations?

[5:09:46 PM] Weekend Testing: have you tested something similar to this before?

[5:09:48 PM] neelima: i am about to say that

[5:09:58 PM] neelima: no this is the first time

[5:10:02 PM] Koh Takahashi: Sorry, my internet connection is so problematic today. i will restart my router

[5:11:06 PM] neelima: when we select multiple yellow buttons, i could see the horizontal bulbs blinking and the far once are blinking as usual

[5:11:13 PM] Weekend Testing: ok

[5:11:32 PM] Weekend Testing: what were you thinking when you had to test these multiple combinations?

[5:12:31 PM] neelima: i was trying to understand if there is any difference between the top and button yellow buttons

[5:12:44 PM] neelima: bottom\*

[5:13:40 PM] neelima: how many different combinations can i make from these

[5:13:51 PM] neelima: by choosing one from top and one from bottom

## WT 91: Combinatorial testing: Black box machine

---

[5:13:52 PM] Weekend Testing: ok, and how many did you cover

[5:14:37 PM] neelima: i couldn't able to cover much, i did all the single selection and combinations of y1, y2 and y3

[5:15:02 PM] Weekend Testing: what kind of report did you prepare?

[5:15:48 PM] neelima: actually i couldn't put everything in the document. I have written few statements

[5:16:02 PM] neelima: or we can call it observations

[5:16:12 PM] Weekend Testing: ok, how was it pairing with Jagan

[5:16:41 PM] neelima: it was really nice..

[5:17:07 PM] Weekend Testing: thanks. can you please send me your observations

[5:17:16 PM] neelima: sure

[5:17:17 PM] Weekend Testing: Jagan, will you go next?

[5:17:19 PM] Koh Takahashi: Sorry guys i'm late

[5:17:23 PM] Koh Takahashi: [http://dl.dropbox.com/u/4779381/Koh\\_WT\\_91.doc](http://dl.dropbox.com/u/4779381/Koh_WT_91.doc)

[5:17:24 PM] Koh Takahashi: my doc is here

[5:18:49 PM] Weekend Testing: thanks Koh

[5:18:52 PM] Weekend Testing: Jagan, you there?

[5:19:53 PM] Weekend Testing: ok, Koh - can you describe your experience please

[5:20:06 PM] Koh Takahashi: `Sure

[5:20:21 PM] Koh Takahashi: I really enjoyed testing this small app

[5:20:50 PM] Koh Takahashi: first up, to be clear I came up with an idea that i put numbers and letters for each button and light

[5:21:02 PM] Weekend Testing: good start

[5:21:21 PM] Koh Takahashi: Using the the numbers and letters when describing my test

[5:21:41 PM] Koh Takahashi: it seems a lot of combination that i could test

[5:21:58 PM] Koh Takahashi: however, I started just one by one and observed carefully

[5:22:41 PM] Weekend Testing: what were you observing

## WT 91: Combinatorial testing: Black box machine

---

[5:23:23 PM] Koh Takahashi: My observation is basically how yellow button affects the behavior when lights flash

[5:23:46 PM] Koh Takahashi: tried to test multiple combination as i wrote on my testing note

[5:24:16 PM] Weekend Testing: ok

[5:24:25 PM] Weekend Testing: did you figure out that there were hints?

[5:24:56 PM] Koh Takahashi: no really

[5:25:02 PM] Koh Takahashi: is there anything useful?

[5:25:15 PM] Weekend Testing: ok, what do you think is the fastest way to know about this system?

[5:25:40 PM] Koh Takahashi: Tried to find out certain pattern

[5:26:11 PM] Koh Takahashi: Also, i wanted to figure out the meaning of the color of the lights

[5:26:25 PM] Koh Takahashi: but didn't have enough time for that

[5:27:18 PM] Weekend Testing: ok

[5:27:24 PM] Weekend Testing: have you tried such tests before

[5:28:42 PM] Weekend Testing: and what are your tips to someone who is trying out such tests for the first time?

[5:28:53 PM] Koh Takahashi: no never

[5:30:13 PM] Koh Takahashi: maybe i would say trying to find some patterns by testing one by one

[5:30:27 PM] Weekend Testing: Thanks Koh

[5:30:33 PM] Weekend Testing: Jagan, you ready?

[5:30:45 PM] Koh Takahashi: no problem

[5:31:01 PM] Koh Takahashi: BTW, now i found the hint :\$

[5:31:16 PM] Weekend Testing: ha ha

[5:31:18 PM] Jagannath Sriramulu(Jagan): I will share a seperate report today evening...

[5:32:01 PM] Weekend Testing: you have already done this

[5:32:11 PM] Weekend Testing: what did you try different today

[5:33:10 PM] Jagannath Sriramulu(Jagan): i refreshed my understanding and was trying out whether a tool like hexawise can be used for combinatorial selection

## WT 91: Combinatorial testing: Black box machine

---

[5:34:01 PM] Jagannath Sriramulu(Jagan): i feel.....since the Yellow buttons combinations has values 0 & 1 and Orthogonal techniques may not be useful

[5:34:24 PM] Weekend Testing: ok

[5:34:39 PM] Weekend Testing: what mistakes should we avoid here

[5:35:13 PM] Weekend Testing: you were typing something?

[5:35:33 PM] Jagannath Sriramulu(Jagan): At a first look it looks really like a puzzle, so it is best to work together in a group

[5:35:54 PM] Jagannath Sriramulu(Jagan): Discuss & share the areas of functionalities

[5:36:20 PM] Weekend Testing: ok.

[5:36:31 PM] Weekend Testing: did anyone record the session?

[5:37:02 PM] Koh Takahashi: not for me

[5:37:29 PM] Jagannath Sriramulu(Jagan): True.....Recording the session using Jing or faststone.....helps a lot. I did not do it

[5:38:12 PM] Weekend Testing: ok, lets hear what Nadim has to say.

[5:38:17 PM] Weekend Testing: thanks Jagan

[5:38:45 PM] Weekend Testing: Nadim - you there?

[5:39:34 PM] Jagannath Sriramulu(Jagan): <https://www.dropbox.com/s/7ce4ij8yge87nnr/Work%20room%20productions%20Puzzle%205.xmind?m>

[5:39:43 PM] Jagannath Sriramulu(Jagan): FYI...this mindmap is prepared some time back.

[5:40:15 PM] Weekend Testing: ok

[5:40:23 PM] Weekend Testing: anyone else?

[5:40:27 PM] Weekend Testing: any questions?

[5:40:55 PM] Weekend Testing: how many of you have used [www.hexawise.com](http://www.hexawise.com)

[5:41:15 PM] Koh Takahashi: no i haven't

[5:41:28 PM] Weekend Testing: its good to generate combinations

[5:41:45 PM] Koh Takahashi: will check it out

[5:42:02 PM] neelima: [https://www.dropbox.com/s/i1fqydbtg1s1twh/Issues\\_10Mar2013.doc](https://www.dropbox.com/s/i1fqydbtg1s1twh/Issues_10Mar2013.doc)

## WT 91: Combinatorial testing: Black box machine

---

- [5:42:04 PM] Weekend Testing: Thanks for participating
- [5:42:09 PM] Weekend Testing: we will wrap it up today
- [5:42:13 PM] Weekend Testing: if no more questions
- [5:42:19 PM] Weekend Testing: feel free to get your friends too
- [5:42:23 PM] Weekend Testing: Thanks Neelima
- [5:42:23 PM] Jagannath Sriramulu(Jagan): <http://www.satisfice.com/tools/pairs.zip>
- [5:42:34 PM] Jagannath Sriramulu(Jagan): it is also good for All pairs combination generation.
- [5:42:55 PM] Jagannath Sriramulu(Jagan): hexawise is web based and free for personal use
- [5:43:10 PM] neelima: Anil i have a question
- [5:43:13 PM] Weekend Testing: Ajay
- [5:43:15 PM] Weekend Testing: yes
- [5:43:23 PM] neelima: In what way is this testing going to help?
- [5:43:41 PM] Weekend Testing: Koh, Jagan - you want to answer that?
- [5:44:27 PM] neelima: i mean in real time i have never tested game applications
- [5:44:48 PM] Jagannath Sriramulu(Jagan): Sure...
- [5:44:57 PM] neelima: I have tested only web applications so i am wondering
- [5:45:07 PM] neelima: this is completely new for me
- [5:45:27 PM] Koh Takahashi: well in my opinion this practice is not just applying for gaming application but we can improve our observation and thinking skill
- [5:46:07 PM | Edited 5:46:14 PM] Jagannath Sriramulu(Jagan): This puzzle helps you to develop your thinking with respect to a problem when you do not know the head & tail, very minimal document help and you are just allowed to explore and learn
- [5:46:44 PM] Jagannath Sriramulu(Jagan): but when you start exploring, you will get Hints which can change your thinking and course of testing
- [5:46:52 PM] neelima: ok i accept them, it made me to think alot today
- [5:47:04 PM] Jagannath Sriramulu(Jagan): Simple way....what you learn influences what you test & what you test influences what you learn

## WT 91: Combinatorial testing: Black box machine

---

[5:47:33 PM] neelima: got the answer thank you jagan and koh

[5:48:48 PM] Jagannath Sriramulu(Jagan): actually here you got relevant help very fast. I knew this puzzles for few years but never attempted, since i thought it is useless to learn testing. I am completely wrong

[5:49:22 PM] Jagannath Sriramulu(Jagan): Just open up the mind and ready to test any software

[5:49:48 PM] Jagannath Sriramulu(Jagan): initially it might be tough, but after a while we will be having out pattern for analyzing any problem

[5:50:31 PM] Koh Takahashi: I think I can now completely understand how this puzzle works :)

[5:51:20 PM] Koh Takahashi: It turns out to be so simple concept!

[5:51:45 PM] neelima: I think i still need to spend some time to understand, i will do that after this session

[5:52:40 PM] Weekend Testing: cool

[5:52:45 PM] Weekend Testing: Thanks Koh, Jagan

[5:52:55 PM] Weekend Testing: hope this session has been useful

[5:53:05 PM] Jagannath Sriramulu(Jagan): Koh...superb....Did you saw the difference between the Top & Bottom row Yellow buttons selections and also the order of yellow button selection

[5:53:16 PM] neelima: yes it is

[5:53:24 PM] Weekend Testing: Thanks for attending.

[5:53:36 PM] Weekend Testing: See you all in next weekend testing session

[5:53:38 PM] neelima: Thank you all

[5:54:21 PM] Koh Takahashi: Thanks all

[5:54:24 PM] Koh Takahashi: see you next time

[5:54:41 PM] Weekend Testing: The report will be uploaded at [www.weekendtesting.com](http://www.weekendtesting.com)

[5:55:08 PM] Jagannath Sriramulu(Jagan): Thanks a lot...I am absent next week(Travelling), so see you all in the following week(march 24th)