A Appendices

A.1 Detailed results of the multi-turn voting process

Originality	Random	Ghost Writer (MLE)	REGS-SeqGAN	REGS-SeqGAN +TextRank	MC-SeqGAN	MaliGAN	RapGAN (PRO)	RapGAN (PRO+AREGS)
RapGAN (PRO)	win:24 tie:16 lose:0	win:35 tie:0 lose:5	win:28 tie:8 lose:4	win:26 tie:9 lose:5	win:17 tie:15 lose:8	win:15 tie:14 lose:11		win:12 tie:13 lose:15
RapGAN (PRO+AREGS)	win:29 tie:11 lose:0	win:31 tie:6 lose:3	win:28 tie:10 lose:2	win:26 tie:13 lose:1	win:15 tie:16 lose:9	win:24 tie:13 lose:3	win:15 tie:13 lose:12	
Ghost Writer (MLE)	win:25 tie:11 lose:4		win:13 tie:11 lose:16	win:14 tie:11 lose:15	win:8 tie:15 lose:17	win:10 tie:12 lose:18	win:5 tie:0 lose:35	win:3 tie:6 lose:31

Table 1: Evaluation of *Originality* of each model with Multi-Turn.

Diversity	Random	Ghost Writer (MLE)	REGS-SeqGAN	REGS-SeqGAN +TextRank	MC-SeqGAN	MaliGAN	RapGAN (PRO)	RapGAN (PRO+AREGS)
RapGAN (PRO)	win:20 tie:11 lose:9	win:12 tie:18 lose:10	win:32 tie:5 lose:3	win:30 tie:8 lose:2	win:20 tie:16 lose:4	win:14 tie:10 lose:16		win:10 tie:12 lose:18
RapGAN (PRO+AREGS)	win:29 tie:20 lose:4	win:25 tie:12 lose:9	win:28 tie:32 lose:3	win:24 tie:30 lose:2	win:17 tie:20 lose:3	win:21 tie:14 lose:5	win:18 tie:12 lose:10	
Ghost Writer (MLE)	win:25 tie:7 lose:8		win:18 tie:12 lose:10	win:21 tie:10 lose:9	win:16 tie:12 lose:12	win:10 tie:7 lose:23	win:10 tie:18 lose:12	win:9 tie:6 lose:25

Table 2: Evaluation of *Diversity* of each model with Multi-Turn.

Fluency	Random	Ghost Writer (MLE)	REGS-SeqGAN	REGS-SeqGAN +TextRank	MC-SeqGAN	MaliGAN	RapGAN (PRO)	RapGAN (PRO+AREGS)
RapGAN (PRO)	win:40 tie:0 lose:0	win:21 tie:11 lose:8	win:32 tie:3 lose:5	win:31 tie:6 lose:3	win:19 tie:12 lose:9	win:23 tie:7 lose:10		win:18 tie:10 lose:12
RapGAN (PRO+AREGS)	win:40 tie:0 lose:0	win:31 tie:6 lose:3	win:30 tie:8 lose:2	win:33 tie:2 lose:5	win:16 tie:10 lose:14	win:20 tie:12 lose:8	win:12 tie:10 lose:18	
Ghost Writer (MLE)	win:29 tie:7 lose:4		win:15 tie:15 lose:10	win:12 tie:17 lose:11	win:13 tie:7 lose:20	win:15 tie:8 lose:17	win:8 tie:11 lose:21	win:3 tie:6 lose:31

Table 3: Evaluation of *Fluency* of each model with Multi-Turn.

A.2 All lyrics generated by each model

Model name	Start sentences	Generated songs
Original lyrics	一雙放在櫃子里捨不得穿的球鞋 A pair of sneakers in closet which is felt reluctant about wearing	每天上班下班 只能在帆布鞋里纠结 Everyday. Get to work. Get off work. I am torn in the canvas shoes. 眉头皱了又皱 Brow wrinkled and wrinkled 这周的作業　翻来覆去勾了又勾 Homework this week is turning over and over again. Selected and selected again. 不及格的破滅 Failed and Shattered. 不小心吼了又吼 满头的唾液 Accidentally roar and roar. Full of saliva on the head. 只好哄了又哄 诶 你别噢耶 Have to coax and coax. Eh. You don't oh yeah.
Ghost Writer (MLE)	一雙放在櫃子里捨不得穿的球鞋 A pair of sneakers in closet which is felt reluctant about wearing	每天上班下班 只能在帆布鞋裡糾結 這個女人和我走 過程會習慣 This woman comes with me. You'll get used to it. 告訴你媽媽 你才不管 Tell you mom, you don't care. 是你快點如此下來 我是告訴你 It's you coming so quickly. I told you that. 幫你怕了一場 妹妹穿上廣告 Help you film the advertisement with sister. 再尋找，再去追 Find again. Seek again.
MC-Seq GAN	一雙放在櫃子里捨不得穿的球鞋 A pair of sneakers in closet which is felt reluctant about wearing	每天上班不下班 只能在屎裡 Everyday. Get to work. Don't get off work. I am in a shit. 我是讓為了朋友 是你們再把隨便 I was for friends. You are unceremonious. 直到讓你中和 Until let you neutralize. 剛剛被人控製 沒什麼都沒走 Just be controlled. Nothing is leaving. 打坑最沒用 卻沒超級凶 Digging pits is useless. However, it's not super-fierce. 你也已經兩還要沒用的人 就遇到中 You are already two and useless people. Encounter center. 這些臉上罩狗 你長也很使 These faces are covered by dogs. You look so causative.
Mali-GAN	一雙放在櫃子里捨不得穿的球鞋 A pair of sneakers in closet which is felt reluctant about wearing	每天上班下班也在上班 根本不想做 Everyday. Get to work. Get off work. Got a job but don't want to do the job. 後悔真正總是用一只水 很多有屎裡 Truly regret. Always use a bottle of water. Most of them contain shit. 這麼做只跟著唱 回頭發現很多時間吧 Do this. Only sing along. Look back to realize you had a lot of

2

		time. 讓說唱的口袋知妨礙 真的暸這個秘密是清醒 Let the packet of rap understand the obstacle. Really realize the secret is clear-headed. giving 彼此 怎麼停止成就到早早去去闖臉 giving each other how to stop the achievement. Then, go outside to show your face early.
REGS-Seq GAN	一雙放在櫃子里捨不得穿的球鞋 A pair of sneakers in closet which is felt reluctant about wearing	那種剋剋還有態度 剩下你們更不怕 That kind of buster and attitude. The rest of you are not more afraid. 兄弟不是你找玩打 你去玩什麼 過來 Homies are not for you to play with. What do you play with here? 自己為何這麼靠著 這能慢慢給明天 Why I am so reliable? This is able to remain for tomorrow. 就快跟彼此要爽為麼有那麼秘密心中 As soon to feel good with each other. Why keep those secrets inside? 地上是 rap 面出現 你有鬼鏡子抬頭 Raps generate on the ground. You got ghost mirror to raise head.
RapGAN (PRO)	一雙放在櫃子里捨不得穿的球鞋 A pair of sneakers in closet which is felt reluctant about wearing	沒辦法出去走走 我確實像去武裝 I can't hang out, I really like to brace myself. **I GOT GO GO** -- **WANNA f**k Shut the f**k up** -- **Fuck Shut the f**k up** -- **the f**k you come on** -- 混不出一個人都在趁熱打鐵 A person strikes while the iron is hot then couldn't cut it. 所以我也無法寫我的夢 So I still can't write my dreams. 像綜藝節目很重 Like variety shows are hardcore. **get you off my mind** -- **It ~ Copy Cat Copy Cat my back** --
RapGAN (PRO+ AREGS)	一雙放在櫃子里捨不得穿的球鞋 A pair of sneakers in closet which is felt reluctant about wearing	都在我的照片 It's all in my photo. 覺得我在想發法兒 Thinking about I am finding some ways out 等一下拿個板兒 Wait a minute for that board. 可能是假全身傻逼吃飽 May pretend to be full of stupidity. 不能理解我的航班剛終於抵達 Can't understand my flight just arrived. 所以別攔我

3

			So don't stop me. 迷惘的觀眾好像都比較記得還有我 The confused audiences seem to remember more about that I am still here. 我有問號，權利，兄弟，我流浪 就像得到人生了 I have a question mark, right, brother. I wander just like getting a life. 現在你只看到曾經的是爲了我的 **team** Now you only see the team which was for me. 已經有人進去 Already someone has joined. 你認識我是新面孔 You know I am a new face. 一個人不完的許多愁 There are countless melancholy in me. 比方說來到這裡的風 **right right GO** Just like the wind coming here right and right go.

Figure 1: The output lyrics from different models